DRIP IRRIGATION BD LTD.
www.dripirrigation.com.bd











PROJECT PROFILE

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PROJECT PROFILE 2025 · BOOK DIRECTORY

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Interactive E-Book Edition · Click any section or service entry to jump directly to its page.

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Division 6: Environment Control — p. 124

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Archive Summary: 100 Curated Engineering Projects · 6 Core Service Divisions · 28 Specialized Subcategories · 43 Districts Nationwide

PART I · CORPORATE OVERVIEW (1 OF 4) · ISO 9001:2015 CERTIFIED

Pioneering Precision Water & Smart Agritech Engineering in Bangladesh

Established in 2020 and incorporated on 8 September 2021, **Drip Irrigation BD Ltd. (DIBL)** engineers, manufactures, and commissions precision drip, sprinkler, high-pressure fogging, hydroponics, filtration, off-grid solar pumping, and **FarmHub / SensPanel IoT automation** across all 8 divisions of Bangladesh from its updated Shyamoli/Mohammadpur headquarters and IoT lab.

Quality Certification & National Institutional Endorsements

QUALITY MANAGEMENT

ISO 9001:2015 Certified

Quality Management System (**Certificate No. AMER801444**), issued 19 September 2026.

DUTCH EMBASSY INCUBATION

Orange Corner Graduate

Cohort 1 Innovation Winner (EUR 5,000 Grant + EUR 32,330 Track-2 Acceleration) via **Orange Corners Bangladesh**.

ICT DIVISION · BIG WINNER

iDEA Portfolio Startup

Bangabandhu Innovation Grant (BIG) Winner (BDT 10,00,000 Grant) & **iDEA Project Portfolio** graduate.

1,700+
Total Field Installations
1,000+ Drip, 300+ Sprinkler, 300+ Fogging & 400+ Filtration Units

15,000+
Farmers & Clients Served
3,000+ acres (~1,600 ha) spanning all 8/8 divisions nationwide

Up to 70%
Water Savings Achieved
Up to 60% fertilizer efficiency via calibrated venturi fertigation

36+ / 35
Models & Local Molds
36+ sprinkler models & 35 domestic injection molds (3.5M+ emitters)

Our Mission

To accelerate agricultural modernization across Bangladesh by delivering ISO 9001:2015 certified, locally engineered micro-irrigation, environmental fogging, clean filtration, and smart sensor automation systems that conserve water, labor, and fertilizer while lifting farm profitability.

Our Vision & 4IR Smart Ecosystem

To build a climate-resilient, data-driven agri-engineering ecosystem combining precision polymer manufacturing with **FarmHub IOT60005** edge controllers, **SensPanel** cloud telemetry, and 24/7 AI technical support (**Bindu**) across every farming district.

Corporate Headquarters: 2C/81, Parijat Apartment (HQ Building), North Adabor, Shyamoli / Mohammadpur, Dhaka-1207

IoT & R&D Lab: Parijat Apartment, 81 North Adabor, Shyamoli, Dhaka-1207 · Tel: +880 1919-751843

Direct Helpline: +880 1324-445400 · **Bindu 24/7 AI Assistant:** +880 1324-445401

Portals: www.dripirrigation.com.bd · my.senspanel.com · info@dripirrigationbd.com

PART I · CORPORATE OVERVIEW (2 OF 4)

Engineering Process, Institutional Partners & 2025 Portfolio Curation

01 Site & Water Survey
Soil percolation, source capacity, iron/TDS checks & terrain gradients.

02 AutoCAD Hydraulic Design
Lateral spacing, emitter discharge, head-loss & zone valving.

03 BoQ & Technical Proposal
Transparent Bill of Quantities, pump curve matching & ROI.

04 Component Production
Injection-molded fittings, PC drippers, UV pipes & tested filters.

05 Certified Field Install
Trenching, riser fabrication, pressure testing & commissioning.

06 FarmHub IoT Pairing
4-zone AC wiring, RJ45 CAT6 sensors, RTC timers & SensPanel.

07 Agronomist Handover
Hands-on fertigation schedules, backwash training & manuals.

08 Nationwide AMC & Support
Rapid service & spares via 10 regional offices & Bindu 24/7 AI.

Trusted By Research Agencies, NGOs & Corporate Estates



Enlisted contractor & supplier to **BADC, DAE, BARI, BRRI, BINA, BSRI, SAU**, **CARE, WorldFish, iDE, BRAC, Swisscontact**, and **PRAN, ACI, Renata, Partex & Aarong Dairy**.

Awards, Grants & Industry Recognition



- **ISO 9001:2015 Certified:** Cert No. AMER801444 (19 Sep 2026).
- **BIG 2023 & Orange Corners:** National BDT 10L & Dutch EUR 37.3K grants/acceleration.
- **Stellar Women 2024 & BAEN Green Award:** Woman-led Smart AgriTech honor.

2025 Edition Curation (Best 100 of 127 Verified 2025 Projects): Selected from 127 field installations in the 2025 archive prioritizing latest FY 2023-24 & 2024-25 works while covering all **6 divisions** and **28 subcategories** across **43 districts**.

Div.	Engineering Discipline	Folios	Count	Start
Div 1	Micro Irrigation	#01 - #88	**88**	p. 19
Div 2	Hydroponics	#89 - #90	**2**	p. 110
Div 3	Filtration	#91 - #93	**3**	p. 113
Div 4	IoT & Automation	#94 - #97	**4**	p. 117
Div 5	Solar System	#98 - #99	**2**	p. 117
Div 6	Environment Control	#100 - #100	**1**	p. 117
2025 Portfolio Total (All 28 Subcategories)		**#01 - #100**	**100**	**p. 19 - 124**

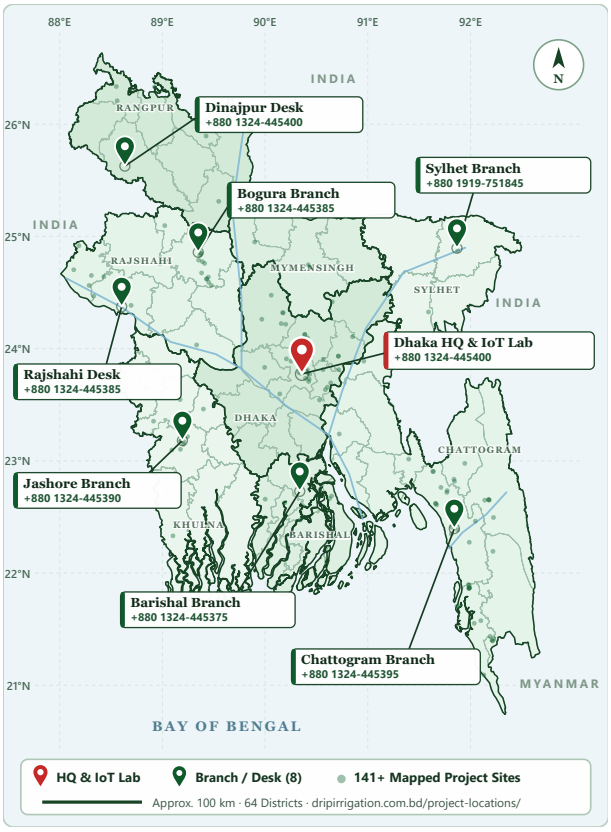
Fiscal Year Mix: FY 2024-25 **1** | FY 2023-24 **60** | FY 2022-23 **34** | FY 2021-22 **5**

PART I · CORPORATE OVERVIEW (3 OF 4) · LIVE FOOTPRINT

Nationwide Branch Offices & Bangladesh Engineering Coverage Map

149+	141+	8 / 8	10
Mapped Sites & Offices	Geolocated Case Sites	Divisions Covered	Branches, Lab & Desks

Bangladesh Service & Project Map (8 Branches & 149 Sites)



Live Mapped Footprint Across All 8 Divisions

Dhaka Division HQ, IoT Lab, Rooftops, Dairy & Research Farms	45
Chattogram Division Hill Tracts, PARTNER Coastal & Polyhouses	44
Rajshahi Division Barind Fruit Orchards, Strawberry & Dairy	23
Khulna Division Gadkhali Polyhouses, Dragon & Saline Hydroponics	17
Rangpur Division Field-Crop Sprinklers & Fruit Demonstrations	7
Barishal Division Solar Micro-Irrigation, Boroi & Coastal NGO	7
Sylhet Division High-Rainfall UV Shelters & Citrus Sprinklers	3
Mymensingh Division BAU Corridor NFT Hydroponics & Papaya Drip	3

HEAD OFFICE · SHYAMOLI / MOHAMMADPUR
2C/81, Parijat Apartment (HQ), North Adabor, Dhaka-1207
+880 1324-445400 · dibldhaka400@gmail.com

DIBL IOT & AUTOMATION LAB · DHAKA
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+880 1919-751843 · dibliot843@gmail.com

BINDU 24/7 AI ASSISTANT · CUSTOMER CARE
24-Hour WhatsApp & Technical Routing Support Desk
+880 1324-445401 · bindu@dripirrigation.com.bd

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2D/81, Parijat Apartment, North Adabor, Mohammadpur, Dhaka-1207
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SYLHET REGIONAL BRANCH
Railgate, Shayestaganj & Queen's Tower (4-A), Kadamtoli, Sylhet
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BARISHAL REGIONAL BRANCH
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RAJSHAHI & DINAJPUR SERVICE DESKS
Barind Drought Belt (Rajshahi) & Northern Plain (Dinajpur Town)
Rajshahi: +880 1324-445385 · Dinajpur: +880 1324-445400

Interactive Office & Project Locator Map: View live GPS pins nationwide at dripirrigation.com.bd/project-locations/

PART I · CORPORATE OVERVIEW (4 OF 4) · LIVE DIRECTORY (DRIPIRRIGATION.COM.BD/CONTACT-US/)

Meet Our Team & Regional Branch Support Directory

Board of Directors



Kamrunnahar
Chairman
Board of Directors



Tahera
Managing Director
Board of Directors



Faridul Hasan
Director & CTO
Board of Directors

Head Office & DIBL IoT Lab, Dhaka (2C/81 Parijat Apartment, North Adabor, Dhaka-1207)



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Jobayer Hossain
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Regional Branch Engineering & Field Operations Teams

Dhaka Branch — +880 1324-445411 · 2D/81 Parijat Apt., Dhaka-1207



Md Atikul Islam — Branch Manager — +880 1324-445411



Ali Hayder — Sub Assistant Engineer — +880 1324-445412

Chattogram Branch — +880 1324-445395 · Nazma Tower, Oxygen, Ctg-4214



Mobinul Islam — Assistant Engineer — +880 1324-445399



Rasel Molla — Field Officer — +880 1324-445395



Hasibur Rahman — Asst. Field Officer — +880 1324-445395

Jashore Branch — +880 1324-445390 · Chakladar Vhobon, Palbari Mor



Masud Rana — Assistant Engineer — +880 1324-445390



Masum Billah — Field Officer — +880 1324-445391

Bogura Branch — +880 1324-445385 · Phulbari Plaza, Charmatha



Samsuzzaman Sumon — Assistant Director
+880 1324-445385



Mofazzal Hossin — Sub Assistant Engineer
+880 1324-445386

Sylhet Branch — +880 1324-445389 / +880 1919-751845 · Shayestaganj / Kadamtoli



Mehedi Hasan — Marketing Executive — +880 1324-445389



Asadul Islam Shahoria — Sub Asst. Eng. (Kadamtoli)
+880 1919-751845

Barishal Branch & Regional Desks — +880 1324-445375 · Kashipur Choumatha, Barishal



Asadul Islam — Sub Assistant Engineer (Barishal)
+880 1324-445375

REG

Rajshahi & Dinajpur Desks — Regional Field Support
Raj: 01324-445385 | Din: 01324-445400

All Support Numbers: HQ Dhaka: +880 1324-445400 · Bindu 24/7 AI: +880 1324-445401 · IoT Lab: +880 1919-751843 · Dhaka Br: +880 1324-445411 / 412 · Chattogram: +880 1324-445395 / 399 · Jashore: +880 1324-445390 / 391 · Bogura: +880 1324-445385 / 386 · Sylhet: +880 1324-445389 / 1919-751845 · Barishal: +880 1324-445375 · Rajshahi: +880 1324-445385 · Dinajpur: +880 1324-445400

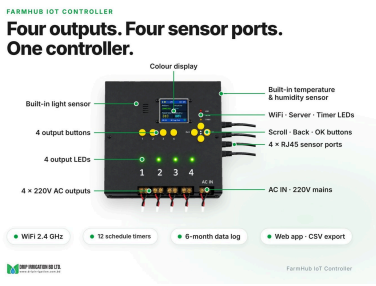
PART II · MADE IN BANGLADESH · SKU: IOT60005 · VERSION 1.3.0

FarmHub IoT Controller — 4-Zone Smart Automation & Sensor Hub

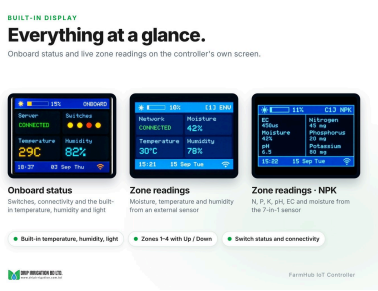
Industrial 4-channel 220V AC Smart IoT Irrigation & Farm Automation Controller featuring a vivid zonal color LCD display, manual override & Scroll/Back/OK menu keys, 4× RJ45 CAT6 auto-detect sensor ports (up to 1,000 m), built-in light/temp/humidity sensors, and 12 offline schedule timers.



FarmHub Front Panel: Industrial metal enclosure, color LCD, 4 manual buttons + LEDs & 220V terminal strip.



Hardware Anatomy: Built-in Light, Temp & RH sensors, Scroll/Back/OK menu navigation & 4× RJ45 S1-S4 ports.



Color Zonal LCD UI: Live onboard climate, network status & 7-in-1 Soil NPK/pH/EC/Moisture screen views.



Versatile 220V Switching: Powers irrigation pumps, solenoid valves, foggers, exhaust fans & aerators.

Subsystem (v1.3.0)	Live Website Technical Specification (IOT60005)	Farm Value
Output Channels	4 × 220V AC relays (**30A general load / 1 HP direct motor**; magnetic contactor supported for larger pumps)	Simultaneous pump, valve, fogger, fan & light control
Sensor Ports & Onboard	4 × RJ45 CAT6 ports (**S1-S4**) auto-detect up to **1,000 m** + onboard Light, Temperature & Humidity sensors	Zero manual calibration across polyhouses & orchards
Display & Local Control	Zonal color LCD, 4 output manual override buttons + indicator LEDs, Menu keys (Scroll, Back, OK)	Full field control & live telemetry even without internet
Offline Schedules	**12 weekly RTC schedule timers** stored inside controller memory (100% offline execution during Wi-Fi outage)	Guaranteed scheduled irrigation & misting persistence
Cloud & Telemetry	**my.senspanel.com** live WebApp + Android App with **6-month history archive & CSV export**	Audit-ready farm telemetry for BARI, NGOs & agribusiness

11 PRIMARY & ALTERNATIVE APPLICATIONS:

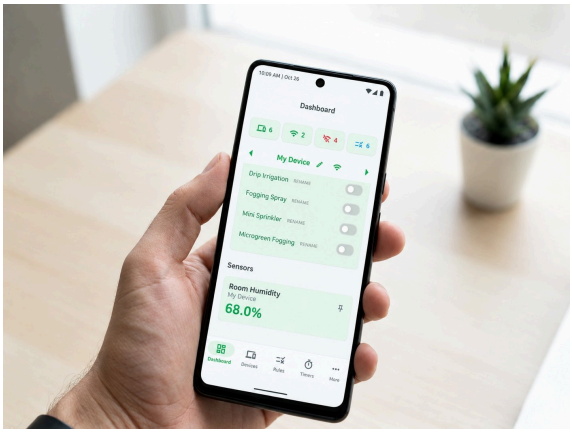
1. Greenhouse Climate & Drip
2. Open-Field Drip Pumps
3. Mushroom Fogger & RH
4. Multi-Zone Orchards
5. Livestock & Poultry Cooling
6. Hydroponics & Nurseries
7. Fisheries Pond Aerators
8. Dragon Fruit Night-Lighting
9. Cold Storage & Chiller Alerts
10. Rooftop & Landscape Timers
11. Home / 220V 30A AC Loads

Launch Offer Price: BDT 15,000 (50% OFF Regular BDT 30,000) | Live Product Page: dripirrigation.com.bd/product/farmhub-iot-controller/

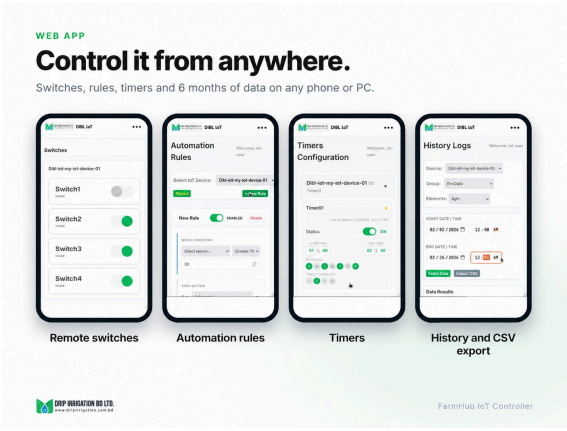
PART II · CLOUD TELEMETRY, SCHEDULE TIMERS & IF/THEN RULE ENGINE

SensPanel (senspanel.com / my.senspanel.com) — Unified Web & Mobile Farm Portal

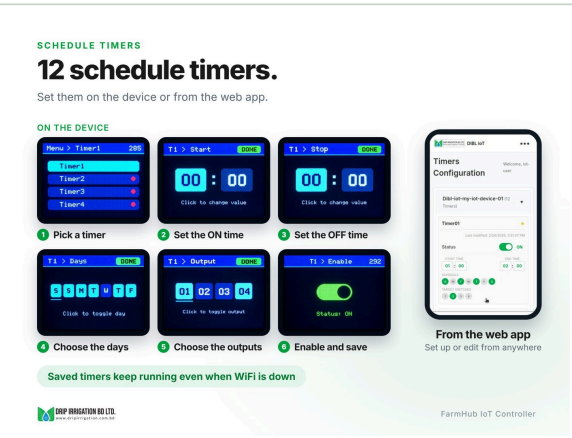
Connected natively to every FarmHub IOT60005 unit, **SensPanel** delivers real-time soil & microclimate cards, 1-tap remote relay switching, 12 synced weekly schedule timers, conditional *If / Then / Only* sensor automation rules, and 6-month downloadable CSV datasets from any phone or PC.



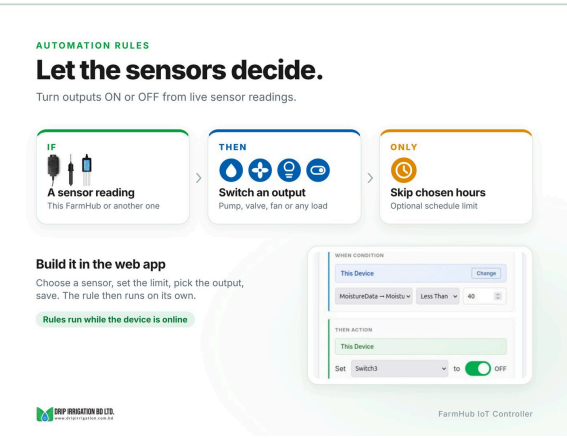
Mobile Dashboard: Instant device online/offline counters, switch toggles & live room/soil sensor cards.



Full WebApp Control: Remote switches, automation rules, schedule timers & 6-month CSV history export.



12 Schedule Timers: Configure directly via device color UI or remotely from SensPanel; persists offline via RTC.



If / Then / Only Rules: Automated irrigation & fogger thresholds based on live Soil Moisture, Temp, RH or NPK.

Closed-Loop Agronomy

Acts automatically on Moisture, Temp, RH, Light, EC, pH & NPK readings across orchards, dairy barns & greenhouses.

Edge + Cloud Resilience

Saves up to 12 weekly timers inside FarmHub RTC hardware so irrigation cycles continue uninterrupted without Wi-Fi.

Research-Grade CSV Archive

Stores 6 months of timestamped sensor telemetry exportable as CSV for BARI/BRRI research and commercial audits.

PART III · COMPLETE PORTFOLIO INDEX · PROJECTS #01 TO #10 OF 100

Index of Curated Engineering Projects

FOLIO 01-10

Click any project title or page pill below to jump directly to its full-page engineering showcase and 4-plate photographic record.

No.	Code	Full Project Title & Site Location	Subcategory	FY	Page
#01	—	**Installation of 02 Nos. Drip Irrigation System at any upazila under Bogura Region** Kahalu, Bogura	1.1.1 EGP Tender Project	2023-24	p. 20 →
#02	—	**Installation of 02 Nos. Drip Irrigation System at any upazila under Bogura Region** Shajanpur, Bogura	1.1.1 EGP Tender Project	2023-24	p. 21 →
#03	—	**Installation of 02 Nos. Drip Irrigation System at any upazila under Rangamati Region.** Cherarkul, Naikhongchari, Bandarban	1.1.1 EGP Tender Project	2023-24	p. 22 →
#04	—	**Installation of 02 Nos. Drip Irrigation System at any upazila under Rangamati Region.** Chakdala, Naikhongchari, Bandarban	1.1.1 EGP Tender Project	2023-24	p. 23 →
#05	—	**Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.** Wagga, Baraichari, Rangamati	1.1.1 EGP Tender Project	2023-24	p. 24 →
#06	—	**Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.** Betbunia, Sadar, Rangamati	1.1.1 EGP Tender Project	2023-24	p. 25 →
#07	—	**Automatic Drip Irrigation System in Coffee Orchard** Chimbuk, Bandarban	1.1.2 Research Demo Project	2023-24	p. 26 →
#08	—	**Sprinkler & Drip Irrigation System in Vegetable Orchard** Pirpur, Pabna	1.1.2 Research Demo Project	2023-24	p. 27 →
#09	—	**Drip Irrigation in Vegetable Orchard** Ukhyia, Cox's Bazar	1.1.3 NGO Funded Project	2022-23	p. 28 →
#10	—	**Rural Micro-enterprise Transformation Project (RMTP) Drip Irrigation** Matiranga Sadar, Khagrachari	1.1.3 NGO Funded Project	2022-23	p. 29 →

PART III · COMPLETE PORTFOLIO INDEX · PROJECTS #11 TO #20 OF 100

Index of Curated Engineering Projects

FOLIO 11-20

Click any project title or page pill below to jump directly to its full-page engineering showcase and 4-plate photographic record.

No.	Code	Full Project Title & Site Location	Subcategory	FY	Page
#11	—	**Drip Irrigation in Malta Orchard** Bashkhali Chattogram	1.1.3 NGO Funded Project	2022-23	p. 30 →
#12	—	**Drip Irrigation System in Vegetable Orchard (Sarjan Model)** Hatia, Noakhali	1.1.3 NGO Funded Project	2022-23	p. 31 →
#13	—	**Drip Irrigation System in Mango Orchard** Matiranga, Khagrachari	1.1.3 NGO Funded Project	2022-23	p. 32 →
#14	—	**Drip Irrigation system.** Dulalpur, Jeshore.	1.1.3 NGO Funded Project	2022-23	p. 33 →
#15	—	**Drip Irrigation System setup in Mango Garden** Dinajpur	1.1.3 NGO Funded Project	2022-23	p. 34 →
#16	—	**Drip Irrigation in Fruit Orchard** Pabna	1.1.3 NGO Funded Project	2023-24	p. 35 →
#17	—	**Drip Irrigation in Hilly Fruit Orchard** Lama, Bandarban	1.1.4 Fruit Orchard Project	2021-22	p. 36 →
#18	—	**Drip Irrigation in Hilly Malta Orchard** Venus Resort, Bandarban	1.1.4 Fruit Orchard Project	2021-22	p. 37 →
#19	—	**Drip Irrigation in Hilly Dragon Fruit Orchard** Batnatoli, Manikchari, Khagrachari	1.1.4 Fruit Orchard Project	2022-23	p. 38 →
#20	—	**Drip Irrigation in Hilly Papaya Orchaed** Changrachhari, Mahalchari, Khagrachari	1.1.4 Fruit Orchard Project	2022-23	p. 39 →

PART III · COMPLETE PORTFOLIO INDEX · PROJECTS #21 TO #30 OF 100

Index of Curated Engineering Projects

FOLIO 21-30

Click any project title or page pill below to jump directly to its full-page engineering showcase and 4-plate photographic record.

No.	Code	Full Project Title & Site Location	Subcategory	FY	Page
#21	—	**Drip Irrigation System for Fruit Orchard at Central Offsite Store, Chattogram** Kalurghat, Chattogram	1.1.4 Fruit Orchard Project	2022-23	p. 40 →
#22	—	**Drip Irrigation on Dragon Garden.** Lake city road, Khilkhat.	1.1.4 Fruit Orchard Project	2023-24	p. 41 →
#23	—	**Drip Irrigation system.** Jibannagar payaratala, Jeshore.	1.1.4 Fruit Orchard Project	2022-23	p. 42 →
#24	—	**Drip Irrigation system.** Sagordari,Satkhira.	1.1.4 Fruit Orchard Project	2022-23	p. 43 →
#25	—	**Drip Irrigation System in Dragon Fruit Orchard** Shokhipur,Tangail	1.1.4 Fruit Orchard Project	2023-24	p. 44 →
#26	—	**Online Drip Irrigation system on Dragon Garden.** Basabo, Mohammadpur.	1.1.4 Fruit Orchard Project	2023-24	p. 45 →
#27	—	**Inline Drip Irrigation System in Row Hilly Dragon Fruit Orchard** Manikchari, Khagrachari	1.1.4 Fruit Orchard Project	2023-24	p. 46 →
#28	—	**Drip Irrigation system.** Kaligonj,Rail Gate.	1.1.4 Fruit Orchard Project	2022-23	p. 47 →
#29	—	**Drip Irrigation & Fogging system on Rooftop Garden.** Mirpur-1.	1.1.4 Fruit Orchard Project	2023-24	p. 48 →
#30	—	**Inline Drip Irrigation on Capsicum Garden.** Burundi kheya ghat, Mitora, Singair, Manikganj	1.1.5 Vegetables Orchard Project	2023-24	p. 49 →

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#32	—	**Inline Drip Irrigation system on Capsicum Garden.** volua royal city, purbachal, dhaka.	1.1.5 Vegetables Orchard Project	2023-24	p. 51 →
#33	—	**Inline Drip Irrigation system.** Kishorganj.	1.1.5 Vegetables Orchard Project	2023-24	p. 52 →
#34	—	**In line Drip Irrigation System in Vegetables** Thakurgang, Ranishnkal	1.1.5 Vegetables Orchard Project	2022-23	p. 53 →
#35	—	**Drip Irrigation System at Roof Top Garden.** Chittagong Road, Shidhergong, Narayanganj	1.1.6 Rooftop Garden Project	2023-24	p. 54 →
#36	—	**Drip Irrigation on Rooftop Garden.** Hamayatpur, Saver.	1.1.6 Rooftop Garden Project	2023-24	p. 55 →
#37	—	**Drip Irrigation on Rooftop Garden.** Mothertake, Basabo, Garments Goli, Dhaka.	1.1.6 Rooftop Garden Project	2023-24	p. 56 →
#38	—	**Drip Irrigation system on Rooftop Garden.** Shatkhera, Bagher Hat, Khulna.	1.1.6 Rooftop Garden Project	2023-24	p. 57 →
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#44	—	**Drip & Vertical Garden Irrigation System.** Narayangang	1.1.7 Vertical Garden Project	2023-24	p. 63 →
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#47	—	**Drip Irrigation System at Vertical Garden.** Baridhara, Gulshan-2	1.1.7 Vertical Garden Project	2023-24	p. 66 →
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#55	—	**Sprinkler Irrigation System for Ornamental and Fruits Orchard in front of Office Premises** BSC bhaban, Chittagong port, Chittagong	1.1.8 Agro Beautification Project	2023-24	p. 74 →
#56	—	**Fountain System in Large Aquarium** Mayor Goli, Nasirabad	1.1.8 Agro Beautification Project	2022-23	p. 75 →
#57	—	**Installation of Waterfall or Fountain in front of Commander Bunglo** BMA, Bhatiary, Sitakundu, Chattogram	1.1.8 Agro Beautification Project	2023-24	p. 76 →
#58	—	**Installation of 02 Nos. Sprinkler Irrigation System at any upazila under Rangamati Region.** Dungri Headman para, Naikhongchari, Bandarban	1.2.1 EGP Tender Project	2023-24	p. 78 →
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FOLIO 91-100

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SERVICE OVERVIEW 01 OF 06 · DIVISION 1.1

Drip Irrigation Systems

Begin Projects #01-#57 (p. 20) →

Precision Root-Zone Water & Nutrient Delivery Across Commercial Farms, Hills & Urban Estates

Engineered to deliver low-flow, metered water and soluble fertilizers directly to the root zone, DIBL drip networks cut field water losses by up to 70% while uniformizing fruit size, Brix quality, and seasonal yield across flatlands, Chittagong Hill Tracts slopes, saline belts, and rooftop planters.



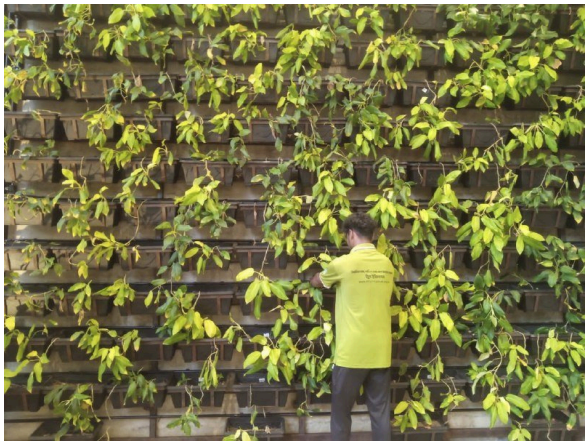
Adjustable & Pressure-Compensated Emitter Head



Precision Orchard Row Lateral Calibration



Inline Drip Laterals on Young Vegetable Beds



Vertical Bio-Wall Micro-Drip Commissioning

Standard Engineering Parameters

Operating Pressure	0.8 - 2.0 bar (12 - 29 PSI) with inline PRV & pressure gauges
Emitter Options	2 - 8 LPH Pressure-Compensated (PC), Online Turbulent & Flat Inline
Lateral Piping	12 mm & 16 mm UV-stabilized virgin LLDPE; HDPE / uPVC sub-mains
Fertigation	Venturi injectors (3/4 in - 2 in) & bypass dosing tanks for soluble NPK

Subcategories & Sectors Covered Here (57 Projects)

- 1.1.1 EGP Tender Project
- 1.1.2 Research Demo Project
- 1.1.3 NGO Funded Project
- 1.1.4 Fruit Orchard Project
- 1.1.5 Vegetables Orchard Project
- 1.1.6 Rooftop Garden Project
- 1.1.7 Vertical Garden Project
- 1.1.8 Agro Beautification Project

PROJECT NO. 01 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Drip Irrigation System at any upazila under Bogura Region

Funded By: Program on Agricultural and Rural Transformation for Nutrition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer, BADC, Bogura Region

Installed By: Drip Irrigation BD Ltd.

Site Location: Kahalu, Bogura



Overall scenario of the project



Water discharge by dripper nozzle



Field Inspection by Executive Engineer Bogura



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
360000	100 Decimal	2023-24	15/02/2024 to 19/3/2024	Dragon

Site Challenge: Source of water, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Jet Pump. & Header Tank

Major Equipment Deployed: Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with In-line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 02 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Drip Irrigation System at any upazila under Bogura Region

Funded By: Program on Agricultural and Rural Transformation for Nutrition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Bogura region

Installed By: Drip Irrigation BD Ltd.

Site Location: Shajanpur, Bogura



Project setup by DIBL Team members



Main Line Setup



Sprinkler Setup



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
720000	100 Decimal	2023-24	2/06/2024 to Continue	Dragon, Mango, Guava, Lemon

Site Challenge: Large area, Labor

Engineering Achievement: Automatic Timer based Drip Irrigation with Sub Pump & Header Tank

Major Equipment Deployed: Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 03 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Drip Irrigation System at any upazila under Rangamati Region.

Funded By: Program on Agricultural and Rural Transformation for Nurtition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: M.S George Enterprise; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Cherarkul, Naikhongchari, Bandarban



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,20,000 BDT (50%)	1 Acre	2023-24	22 Feb to 30 April 2024	Guava

Site Challenge: Source of water, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 04 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Drip Irrigation System at any upazila under Rangamati Region.

Funded By: Program on Agricultural and Rural Transformation for Nurtition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: M.S George Enterprise; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Chakdala, Naikhongchari, Bandarban



Project setup by DIBL Team members



Pipe networking



Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,20,000 BDT (50%)	1 Acre	2023-24	22 Feb to 16 May 2024	Coffee, Cashew nut, Mango

Site Challenge: Source of water, Labour, Large area, Hill Slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Submersible Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 05 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.

Funded By: BADC

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: Sherpa Power Engineering Ltd.; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Wagga, Baraichari, Rangamati



Project setup by DIBL Team members



Overall scenario of the project



Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,00,000 BDT (3%)	1 Acre	2023-24	13-15 May 2024	Mango

Site Challenge: Source of water, Labour, Large area, Hill Slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Solar Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 06 OF 100 · CODE: —

1.1.1 EGP Tender Project · FY 2023-24

Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.

Funded By: BADC

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: Sherpa Power Engineering Ltd.; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Betbunia, Sadar, Rangamati



Overall scenario



Pipe networking



Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,00,000 BDT (3%)	1 Acre	2023-24	19-22 May 2024	Malta, Orange

Site Challenge: Source of water, Labour, Large area, Hill Slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Solar Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 07 OF 100 · CODE: —

1.1.2 Research Demo Project · FY 2023-24

Automatic Drip Irrigation System in Coffee Orchard

Funded By: Bangladesh Agricultural Research Institute
Implemented By: BARI Bandarban
Installed By: Drip Irrigation BD Ltd.
Site Location: Chimbuk, Bandarban



Field Inspection



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
55,000 BDT	05 decimals	2023-24	10-11 January 2024	Coffee

Site Challenge: Source of water, Labour cost, Technical Knowledge of farmer, Hill slope

Engineering Achievement: Installation of Drip Irrigation system by gravity force with automation were solved the problem

Major Equipment Deployed: Reserve tank, Timer, Filter, Adjustable dripper with online drip tube & connector | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 08 OF 100 · CODE: —

1.1.2 Research Demo Project · FY 2023-24

Sprinkler & Drip Irrigation System in Vegetable Orchard

Funded By: BARI
Implemented By: Zahid
Installed By: Drip Irrigation BD Ltd.
Site Location: Pirpur, Pabna



Oerall scenario of the project



In Line & On line Pipe Instalation



Installation Of Sprinkler



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
18000	5 decimals	2023-24	05/05/2024	Mixed Vegetable

Site Challenge: Site-specific hydraulic, water quality & terrain requirements addressed via custom engineering.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Micro jet Sprinkler Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon

PROJECT NO. 09 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation in Vegetable Orchard

Funded By: CARE Bangladesh
Implemented By: CARE Bangladesh
Installed By: Drip Irrigation BD Ltd
Site Location: Ukhyia, Cox's Bazar



Training Program



Product setup training



Project setup by farmer



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
25,000 BDT	20 decimal	2022-23	14 March 2023	Cucumber, Bottle gourd, Brinjal, Tomato

Site Challenge: Labour, Large area, Irrigation Scheduling

Engineering Achievement: Installation of Drip Irrigation system by gravity force with existing power source for water uptake

Major Equipment Deployed: Reserve Tank, Filter, Adjustable dripper with online drip tube system | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 10 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Rural Micro-enterprise Transformation Project (RMTP) Drip Irrigation

Funded By: Palli Karmo Shohaok Foundation (PKSF)

Implemented By: Integrated Development Foundation (IDF), Matiranga, Khagrachari

Installed By: Drip Irrigation BD Ltd.

Site Location: Matiranga Sadar, Khagrachari



Drip Tube networking in the Dragon Fruit Orchard



Water discharge from Adjustable Dripper



Farmers workshop for Drip irrigation setup



Farmers Training on Micro irrigation system

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
60,000 BDT including VAT & TAX	1 Acre	2022-23	17-24 April 2023	Dragon Fruit, Mango

Site Challenge: Source of water, Labour, Large area, Hill slope, Technical Knowledge of farmer

Engineering Achievement: Installation of Drip Irrigation system by gravity force with existing power source for water uptake, Installation training & workshop for farmer

Major Equipment Deployed: Filter, Adjustable dripper with online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 11 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation in Malta Orchard

Funded By: IDF Bashkhali
Implemented By: IDF Bashkhali
Installed By: Drip Irrigation BD Ltd
Site Location: Bashkhali Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
35,000 BDT	1 bigha	2022-23	25-27 May 2023	Malta Orchard

Site Challenge: Source of water, Labour, Large area, Hill slope

Engineering Achievement: Installation of Drip Irrigation system by centrifugal pump were solved the problem

Major Equipment Deployed: Pump, Filter, Adjustable dripper with online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 12 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation System in Vegetable Orchard (Sarjan Model)

Funded By: BRAC CDSP project
Implemented By: BRAC CDSP project
Installed By: Drip Irrigation BD Ltd
Site Location: Hatia, Noakhali



Overall scenario of the project



Product list



Project setup by DIBL Team



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
40,000 BDT	1 bigha	2022-23	22 June 2023	Cucumber, Bottle gourd, Bitter gourd

Site Challenge: Labour, Large area, Irrigation Scheduling

Engineering Achievement: Installation of Drip Irrigation system by gravity force with existing power source for water uptake

Major Equipment Deployed: Reserve Tank, Filter, Adjustable dripper with online drip tube system | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 13 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation System in Mango Orchard

Funded By: IDF
Implemented By: IDF Matiranga
Installed By: Drip Irrigation BD Ltd.
Site Location: Matiranga, Khagrachari



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30,000 BDT	15 decimals	2022-23	26 December 2023	Mango

Site Challenge: Source of water, Labour cost, Technical Knowledge of farmer

Engineering Achievement: Installation of Drip Irrigation system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, Adjustable dripper with online drip tube & connector | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 14 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation system.

Funded By: Shishu Niloy Foundation
Implemented By: Md. Jamal
Installed By: Drip Irrigation BD Ltd.
Site Location: Dulalpur, Jeshore.



Mainline Irrigation setup



Fogging Irrigation setup DIBL Team member



Water discharge by Fogger



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
252800 BDT excluding VAT & TAX	80 Decimal	2022-23	05 July 2024 to 05 July 2024	Rooftop garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Adjustable dripper, Support stand, 4mm drip tube, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 15 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2022-23

Drip Irrigation System setup in Mango Garden

Funded By: Mohila Bohumukhi sheikha Kendra
Implemented By: Abu Sufian
Installed By: Drip Irrigation BD Ltd.
Site Location: Dinajpur



Field Inspection by Branch Nanager



Water discharge by dripper nozzle



Project setup by DIBL Team member



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
24360	45 Decimal	2022-23	6/12/2023 to 7/12/2023	Mango, Coconut, Lemon

Site Challenge: no

Engineering Achievement: Drip Irrigation with Only Tank Pressure Use in Irrigation purpose.

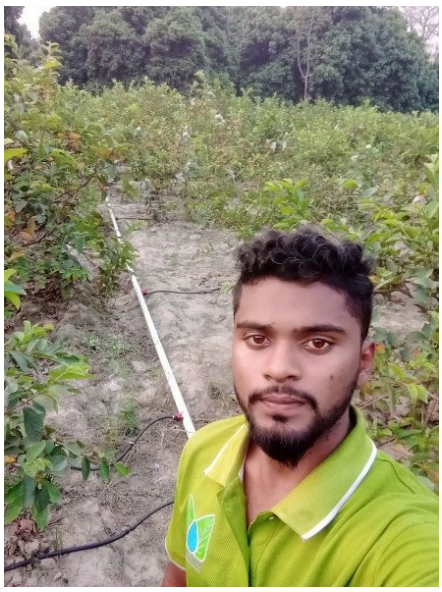
Major Equipment Deployed: Filter, Tap connector, Drip Valve Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 16 OF 100 · CODE: —

1.1.3 NGO Funded Project · FY 2023-24

Drip Irrigation in Fruit Orchard

Funded By: Jagoroni foundation
Implemented By: Mojid islam
Installed By: Drip Irrigation BD Ltd.
Site Location: Pabna



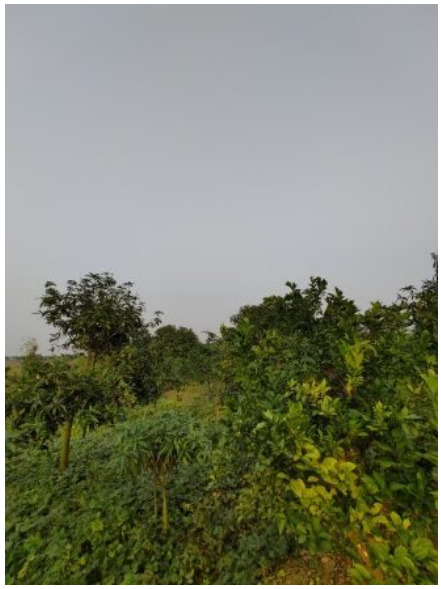
Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
24000	24 Decimal	2023-24	18/03/2024 to 19/03/2024	Guava

Site Challenge: Water Source Long Distance

Engineering Achievement: Drip Irrigation with Jet Pump.

Major Equipment Deployed: Pump, PE Tube , Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 17 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2021-22

Drip Irrigation in Hilly Fruit Orchard

Funded By: Kamal Agrovet Ltd.
Implemented By: Kamal Agrovet Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Lama, Bandarban



Project setup by DIBL Team members



Overall scenario of the project



Mainline pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
220000 BDT	40 acres	2021-22	26 September 2022 to 17 October 2022	Hilly Fruit Orchard

Site Challenge: Irrigation maintenance, Labour, Large area, Slopy area

Engineering Achievement: Drip Irrigation for 8000 plants were solved the problem

Major Equipment Deployed: Water pump, Filter, HDPE Coil Pipe, Adjustable Dripper, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 18 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2021-22

Drip Irrigation in Hilly Malta Orchard

Funded By: Chittagong Hill Tracts Development Board (CHTDB)

Implemented By: Chittagong Hill Tracts Development Board (CHTDB)

Installed By: Drip Irrigation BD Ltd.

Site Location: Venus Resort, Bandarban



Overall scenario of the project



Water discharge by dripper nozzle



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
50000 BDT	25 decimals	2021-22	24-25 September 2022	Hilly Malta Orchard

Site Challenge: Irrigation maintenance, Labour, Large area, Slopy area

Engineering Achievement: Drip Irrigation for 120 plants were solved the problem

Major Equipment Deployed: Water pump, Filter, Adjustable Dripper, Drip tube and connector | **Site Supervision:** Civil Eng. Asadul Islam, Sub-Assistant Engineer, Chattogram Branch

PROJECT NO. 19 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation in Hilly Dragon Fruit Orchard

Funded By: FM Agro Limited
Implemented By: FM Agro Limited
Installed By: Drip Irrigation BD Ltd.
Site Location: Batnatoli, Manikchari, Khagrachari



Overall scenario



Mainline Pipe networking and Tank Setup



Mainline Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
145000 BDT	1 acre	2022-23	12-20 November 2022	Dragon fruit orchard in Hill slope

Site Challenge: Irrigation maintenance, Labour, Large area, Slopy land, Schedule maintenance

Engineering Achievement: Drip Irrigation for 1 acre areas were solved the problem

Major Equipment Deployed: Water pump, filter, HDPE coil pipe, thread pipe, adjustable dripper, drip tube, connector |
Site Supervision: Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 20 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation in Hilly Papaya Orchaed

Funded By: Rupongkor chakma
Implemented By: Rupongkor chakma
Installed By: Drip Irrigation BD Ltd
Site Location: Changrachhari, Mahalchari, Khagrachari



Project setup by DIBL Team members



Mainline Pipe networking



Mainline Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
55000 BDT	0.5 acre	2022-23	21-26 December 2022	Hilly Papaya Orchard

Site Challenge: Irrigation maintenance, Labour, Large area, Slopy land, Schedule maintenance

Engineering Achievement: Drip Irrigation for 0.5 acre area were solved the problem

Major Equipment Deployed: Reserve Tank, filter, HDPE coil pipe, thread pipe, adjustable dripper, drip tube, connector |
Site Supervision: Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 21 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation System for Fruit Orchard at Central Offsite Store, Chattogram

Funded By: One Bank Limited
Implemented By: One Bank Limited, Kalurghat branch
Installed By: Drip Irrigation BD Ltd.
Site Location: Kalurghat, Chattogram



DIBL Team member with Client



Motor & Filter setup



Project setup by DIBL Team members



Water discharge from adjustable dripper

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
70,000 BDT excluding VAT & TAX	1 Acre	2022-23	09-10 January 2023	Mango, Dragon fruit

Site Challenge: Labour, Large area, Irrigation Scheduling

Engineering Achievement: Installation of Drip Irrigation system by gravity force with existing power source for water uptake

Major Equipment Deployed: Water pump, Filter, Adjustable dripper with online drip tube system | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 22 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2023-24

Drip Irrigation on Dragon Garden.

Funded By: Navy Anchorage
Implemented By: Comander Moheuddin
Installed By: Drip Irrigation BD Ltd.
Site Location: Lake city road, Khilkhat.



Overall scenario of the project



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
38,000 BDT.	4,000 Squ.	2023-24	08 Feb 2024.	Dragon, Tomato, Flower.

Site Challenge: Plumbing, Pipe Line.

Engineering Achievement: Source of water. Labour, Outside of Building.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 23 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation system.

Funded By: Md. Liton
Implemented By: Md. Liton
Installed By: Drip Irrigation BD Ltd.
Site Location: Jibannagar payaratala, Jeshore.



Mainline Irrigation setup from water pump



Drip Irrigation system setup



Overall scenario of the project



Water discharge by Adjustable dripper

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
80,000 BDT excluding VAT & TAX	100 Decimal	2022-23	07 March 2024 to 08 March 2024	Grapes garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Adjustable dripper,By-pass valve, End lock, 16mm drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 24 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation system.

Funded By: Mr.Tanku
Implemented By: Mr.Tanku
Installed By: Drip Irrigation BD Ltd.
Site Location: Sagordari,Satkhira.



Field inspection by farmer



Mainline Irrigation setup from water pump



Drip Irrigation setup DIBL team mamber



Water discharge by Ad.Dripper

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
12700 BDT excluding VAT & TAX	14 Decimal	2022-23	20 March 2024 to 20 March 2024	Banana garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Adjustable dripper,drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 25 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2023-24

Drip Irrigation System in Dragon Fruit Orchard

Funded By: Mr.shohidul
Implemented By: Mr.shohidul
Installed By: Drip Irrigation BD Ltd.
Site Location: Shokhipur,Tangail



Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
54933	15 Decimal	2023-24	24/4/2024 to 26/4/2024	Dragon

Site Challenge: Water Source, Large area. Transport, large area, Labor

Engineering Achievement: Automatic Timer based Drip Irrigation with Jet Pump & Header Tank

Major Equipment Deployed: Filter, Air release valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 26 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2023-24

Online Drip Irrigation system on Dragon Garden.

Funded By: Shofiqul Islam
Implemented By: Shofiqul Islam
Installed By: Drip Irrigation BD Ltd.
Site Location: Basabo, Mohammadpur.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
4,500 BDT.	70 squ	2023-24	13 Mar 2024.	Dragon

Site Challenge: Source of water. Labour, Installation Pipe line.

Engineering Achievement: Installation Pipe line & Electric Valve Setup.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 27 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2023-24

Inline Drip Irrigation System in Row Hilly Dragon Fruit Orchard

Funded By: FM Agro Limited
Implemented By: FM Agro Limited
Installed By: Drip Irrigation BD Ltd
Site Location: Manikchari, Khagrachari



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Project setup by plumber

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
42,000 BDT	1 acres	2023-24	29-30 January 2024	Dragon Fruit

Site Challenge: Labour, Large area, Irrigation Scheduling, Hill slope

Engineering Achievement: Installation of Drip Irrigation system by Centrifugal pump were solved the problem

Major Equipment Deployed: Reserve Tank, pump, Filter, Inline drip irrigation system with connector | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 28 OF 100 · CODE: —

1.1.4 Fruit Orchard Project · FY 2022-23

Drip Irrigation system.

Funded By: Khulna DIG Sir
Implemented By: Khulna DIG Sir
Installed By: Drip Irrigation BD Ltd.
Site Location: Kaligonj,Rail Gate.



Mainline setup DIBL team member



Inline Irrigation setup



Overall scenario of the project



Inline dripper system

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
73325 BDT excluding VAT & TAX	120 Decimal	2022-23	24 February 2024 to 26 February 2024	Dragon garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Inline dripper, irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 29 OF 100 · CODE: —

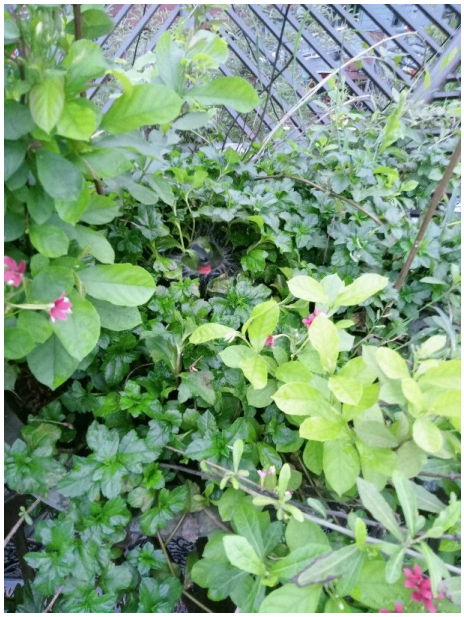
1.1.4 Fruit Orchard Project · FY 2023-24

Drip Irrigation & Fogging system on Rooftop Garden.

Funded By: Sabbir Ahmed
Implemented By: Sabbir Ahmed
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirpur-1.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
8,516 BDT.	120 squ	2023-24	17 Mar 2024.	Flower, Vegetable.

Site Challenge: Source of water. Installation Pipe line.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: Adjustable dripper, Fogger. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 30 OF 100 · CODE: —

1.1.5 Vegetables Orchard Project · FY 2023-24

Inline Drip Irrigation on Capsicum Garden.

Funded By: Arshad
Implemented By: Arshad
Installed By: Drip Irrigation BD Ltd.
Site Location: Burundi kheya ghat, Mitora, Singair, Manikganj



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
18,400 BDT.	2500 Squ	2023-24	22 Jan 2024.	Capsicum.

Site Challenge: Source of water, Pump Setup, Labour.

Engineering Achievement: Inline Drip Irrigation with Pressure Pump.

Major Equipment Deployed: Inline Drip Tape. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 31 OF 100 · CODE: —

1.1.5 Vegetables Orchard Project · FY 2023-24

Inline Drip Tape Irrigation on Cucumber Garden.

Funded By: Abdur Rahaman
Implemented By: Abdur Rahaman
Installed By: Drip Irrigation BD Ltd.
Site Location: Katlamari, Valoka, Maymansing.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
123,130 BDT.	2acre	2023-24	26 Feb 2024 to 28 Feb 2024.	Cucumber.

Site Challenge: Source of water. Labour, Pipe line, Filter Installation, Venturi Setup.

Engineering Achievement: Filter Installation, Venturi Setup.

Major Equipment Deployed: Inline Drip Tape | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 32 OF 100 · CODE: —

1.1.5 Vegetables Orchard Project · FY 2023-24

Inline Drip Irrigation system on Capsicum Garden.

Funded By: Tanzil Ahmed
Implemented By: Tanzil Ahmed
Installed By: Drip Irrigation BD Ltd.
Site Location: volua royal city, purbachal, dhaka.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
38,155 BDT.	1 Acre	2023-24	09 Mar 2024.	Capsicum.

Site Challenge: Source of water. Labour, Installation Pipe line, Automation Box Setup.

Engineering Achievement: Automation Box Setup, Installation Pipe line & Water Filter.

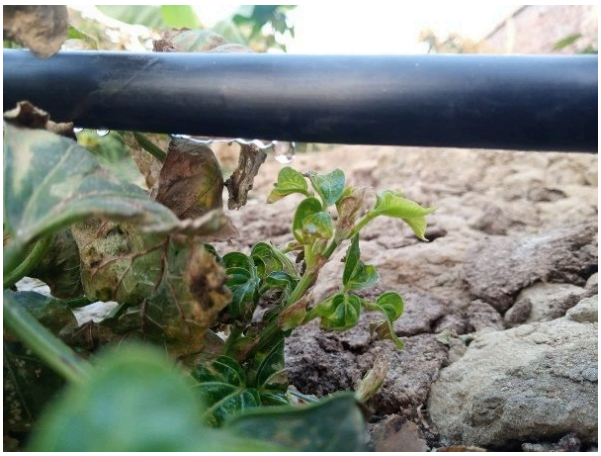
Major Equipment Deployed: Inline Drip Tape, Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 33 OF 100 · CODE: —

1.1.5 Vegetables Orchard Project · FY 2023-24

Inline Drip Irrigation system.

Funded By: Mr. Maruf
Implemented By: Mr. Maruf
Installed By: Drip Irrigation BD Ltd.
Site Location: Kishorganj.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
90,500 BDT.	1.5Acre	2023-24	29 May 2024.	Capsicum.

Site Challenge: Source of water. Installation Pipe line & Water Filter.

Engineering Achievement: Installation Pipe line, Water Filter.

Major Equipment Deployed: Inline Drip Tape. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 34 OF 100 · CODE: —

1.1.5 Vegetables Orchard Project · FY 2022-23

In line Drip Irrigation System in Vegetables

Funded By: Mr Atiq
Implemented By: Mr Atiq
Installed By: Drip Irrigation BD Ltd.
Site Location: Thakurgang, Ranishnkal



Overall scenario of the project



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
26650	22 Decimal	2022-23	24/11/2023 to 25/11/2023	Cucumber

Site Challenge: Water source, Pump Issue

Engineering Achievement: In line Drip Irrigation with water Pump & Header Tank

Major Equipment Deployed: Filter, Venturi In Line dripper connect with Main line HDPE pipe. | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 35 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation System at Roof Top Garden.

Funded By: Md. Zakaria (Harun villa)
Implemented By: Md. Zakaria
Installed By: Drip Irrigation BD Ltd.
Site Location: Chittagong Road, Shidhergong, Narayanganj



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
11,404 BDT	2000 Squ	2023-24	1 Nov 2023	Rose, Mango, Malta.

Site Challenge: Source of water.

Engineering Achievement: Drip Irrigation with Header Tank

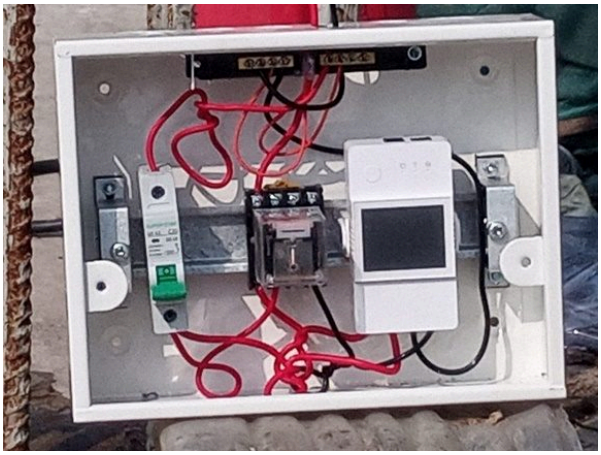
Major Equipment Deployed: Adjustable dripper with feeder line. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 36 OF 100 · CODE: —

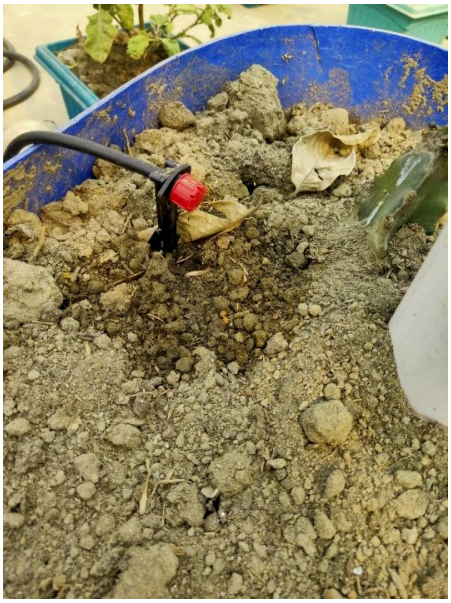
1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation on Rooftop Garden.

Funded By: Mr. Shahen
Implemented By: Mr. Shahen
Installed By: Drip Irrigation BD Ltd.
Site Location: Hamayatpur, Saver.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
10,000 BDT.	3000 Squ.	2023-24	05 Feb 2024.	Flower.

Site Challenge: Automatic Wi-fi Timer Setup, Electric line, Plumber.

Engineering Achievement: Wi-Fi Timer setup, Control on Mobile Phone.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 37 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation on Rooftop Garden.

Funded By: MA Zaman
Implemented By: MA Zaman
Installed By: Drip Irrigation BD Ltd.
Site Location: Mothertake, Basabo, Garments Goli, Dhaka.



Project setup by DIBL Team members



Water discharge by dripper nozzle



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
12,000 BDT.	1,000 Squ.	2023-24	25 Feb 2024.	Tomato, Flower.

Site Challenge: Source of water. Labour.

Engineering Achievement: Drip Irrigation System.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 38 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation system on Rooftop Garden.

Funded By: Titu
Implemented By: Titu
Installed By: Drip Irrigation BD Ltd.
Site Location: Shatkhera, Bagher Hat, Khulna.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
17,225 BDT.	3,000 squ	2023-24	03 Apr 2024.	Flower.

Site Challenge: Source of water. Installation Pipe line.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 39 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation system on Rooftop Garden.

Funded By: Rashed Islam
Implemented By: Green me
Installed By: Drip Irrigation BD Ltd.
Site Location: Lalbag, Dhaka.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30,000 BDT.	5000 Squ.	2023-24	01 Jul 2024.	—

Site Challenge: Source of water.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 40 OF 100 · CODE: —

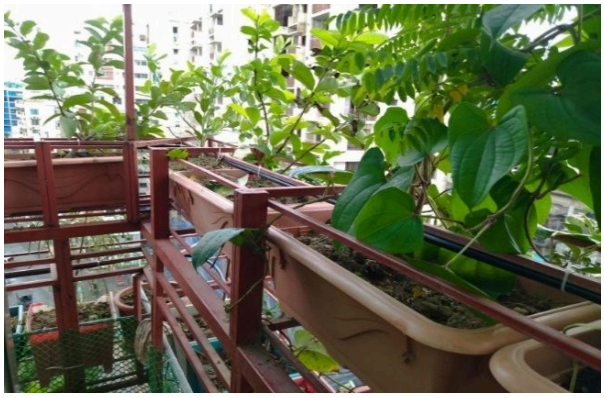
1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation System in Balcony Garden

Funded By: Mr. Manik
Implemented By: Mr. Manik
Installed By: Drip Irrigation BD Ltd
Site Location: Chalkbazar, CTG



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
12,000 BDT	01 decimal	2023-24	06-07 September 2023	Ornamental, fruit and vegetables plant in balcony garden

Site Challenge: Difficult to provide plant irrigation in belcony garden

Engineering Achievement: Drip irrigation with gravity force were solved the problem

Major Equipment Deployed: Filter, adjustable dripper, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 41 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation in Rooftop and Balcony Garden

Funded By: Jumairah Housing Service Provider
Implemented By: Jumairah Islam Plaza
Installed By: Drip Irrigation BD Ltd
Site Location: Khulshi, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
13,000 BDT	1 decimal	2023-24	14-27 September 2023	Ornamental, fruit and vegetables plants in rooftop & balcony garden

Site Challenge: Difficult to provide irrigation in rooftop & belcony garden, Irrigation schedule

Engineering Achievement: Drip irrigation with gravity force were solved the problem

Major Equipment Deployed: Reserve tank, Filter, adjustable dripper, Drip tube and connectors | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 42 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2022-23

Drip Irrigation system.

Funded By: Md.Kobir
Implemented By: Md.Kobir
Installed By: Drip Irrigation BD Ltd.
Site Location: Mahespur,Gopalpur.



Field inspection by farmer



Mainline Irrigation setup from Reserve tank



Overall scenario of the project



Water discharge by mini sprinkler

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,800 BDT excluding VAT & TAX	12 Decimal	2022-23	05 July 2024 to 05 July 2024	Rooftop garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Adjustable dripper, Support stand, 4mm drip tube, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 43 OF 100 · CODE: —

1.1.6 Rooftop Garden Project · FY 2023-24

Drip Irrigation on Factory Garden.

Funded By: Aman Fashion & Design Ltd
Implemented By: Ishtiyak ahammed.
Installed By: Drip Irrigation BD Ltd.
Site Location: Ashulia.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
24,450 BDT.	3500 Squ.	2023-24	29 Jan 2024.	Flower.

Site Challenge: Source of water, Drip Valve Setup.

Engineering Achievement: Drip Irrigation with Header Tank

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 44 OF 100 · CODE: —

1.1.7 Vertical Garden Project · FY 2023-24

Drip & Vertical Garden Irrigation System.

Funded By: BKMEA
Implemented By: Giasa Uddin
Installed By: Drip Irrigation BD Ltd.
Site Location: Narayangang



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
80,172 BDT.	1500 Squ.	2023-24	25 Jun 2024 to 30 Jun 2024.	Flower.

Site Challenge: Source of water, Main water line, Automation Box Setup, Electric Valve Setup.

Engineering Achievement: Installation Pipe line, Automation Box Setup, Electric Valve Setup.

Major Equipment Deployed: PC Dripper. Adj Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 45 OF 100 · CODE: —

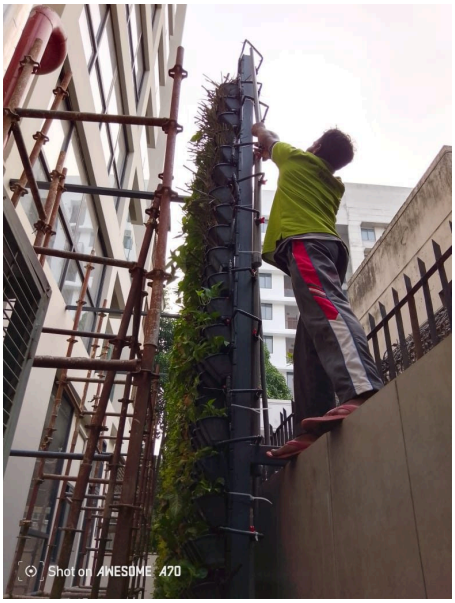
1.1.7 Vertical Garden Project · FY 2023-24

Vertical Garden Irrigation System.

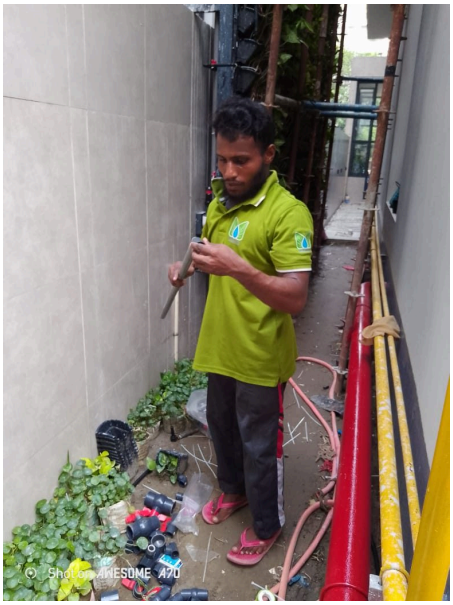
Funded By: Moon view
Implemented By: Mr. Taher.
Installed By: Drip Irrigation BD Ltd.
Site Location: Baridhara, Block -K, Road No-4, House no -4.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
97,880 BDT.	1200 Squ.	2023-24	21 May 2024 to 11 Jun 2024.	Flower.

Site Challenge: Source of water, Main water line.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: PC Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 46 OF 100 · CODE: —

1.1.7 Vertical Garden Project · FY 2023-24

Vartical Garden Irrigation system.

Funded By: Taher
Implemented By: Taher
Installed By: Drip Irrigation BD Ltd.
Site Location: Lalmatia, Dhaka.



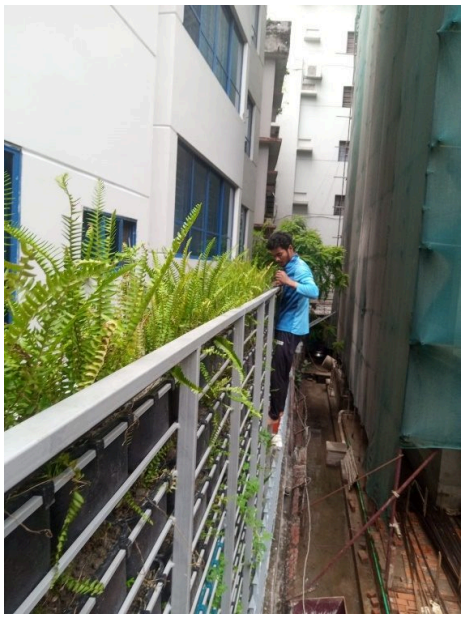
Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
26,296 BDT.	216 squ	2023-24	09 May 2024.	Flower.

Site Challenge: Source of water. Installation Pipe line.

Engineering Achievement: Installation Pipe line.

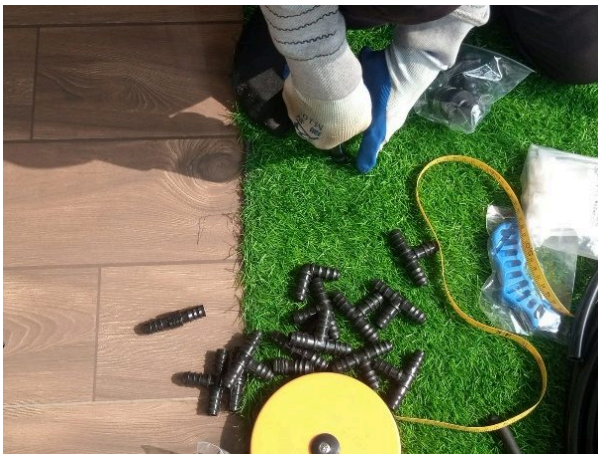
Major Equipment Deployed: PC Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 47 OF 100 · CODE: —

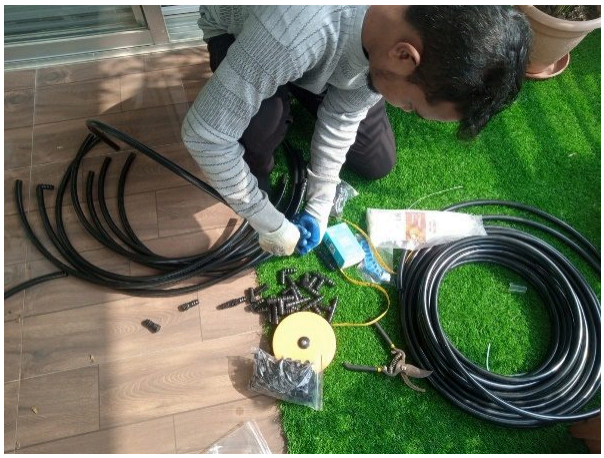
1.1.7 Vertical Garden Project · FY 2023-24

Drip Irrigation System at Vertical Garden.

Funded By: S.A Munem
Implemented By: S.A Munem
Installed By: Drip Irrigation BD Ltd.
Site Location: Baridhara, Gulshan-2



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
10,970 BDT	200 Squ	2023-24	18 Jan 2024	Money Plant.

Site Challenge: Source of water.

Engineering Achievement: Automatic Irrigation.

Major Equipment Deployed: PC dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 48 OF 100 · CODE: —

1.1.7 Vertical Garden Project · FY 2022-23

Automated Drip Irrigation Vertical Garden

Funded By: Protassi NGO
Implemented By: Protassi NGO
Installed By: Drip Irrigation BD Ltd
Site Location: Chandgaon, Chattogram



Overall scenario of the project



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
50000 BDT	0.5 decimal	2022-23	22 February to 07 March 2023	Ornamental plant in vertical garden

Site Challenge: Difficult to provide plant irrigation in vertical garden

Engineering Achievement: Automated drip irrigation with gravity force were solved the problem

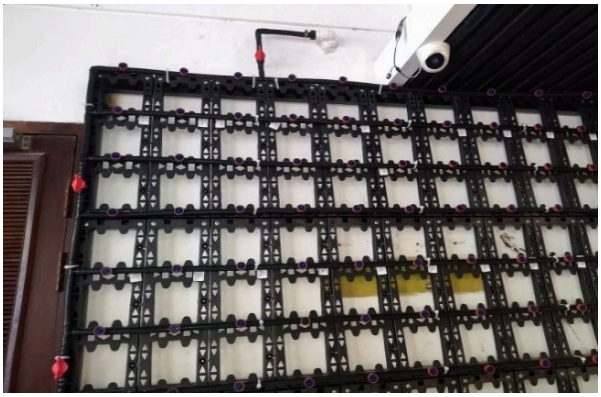
Major Equipment Deployed: Filter, timer, PC dripper, Feeder tube, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 49 OF 100 · CODE: —

1.1.7 Vertical Garden Project · FY 2023-24

Automatic Drip Irrigation System in Vertical Garden

Funded By: Handi Restaurant
Implemented By: Handi Restaurant
Installed By: Drip Irrigation BD Ltd.
Site Location: Dampara, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
22,000 BDT	0.5 decimal	2023-24	20-22 August 2023	Ornamental plant in vertical garden

Site Challenge: Difficult to provide plant irrigation in vertical garden

Engineering Achievement: Drip irrigation with automation and gravity force were solved the problem

Major Equipment Deployed: Filter, Wifi timer, solenoid valve, PC dripper, Feeder tube, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 50 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2023-24

Drip Irrigation System at Graments Garden.

Funded By: Continantal Garments pvt Ltd
Implemented By: Mr Shipar
Installed By: Drip Irrigation BD Ltd.
Site Location: Pukurpar , Jirabo, Ashulia.



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
5,770 BDT	1000 Squ	2023-24	11 Dec 2023	Lemon, flower.

Site Challenge: Source of water. Technical Knowledge of farmer.

Engineering Achievement: Drip Irrigation with Pressure Pump, Water Filter Install

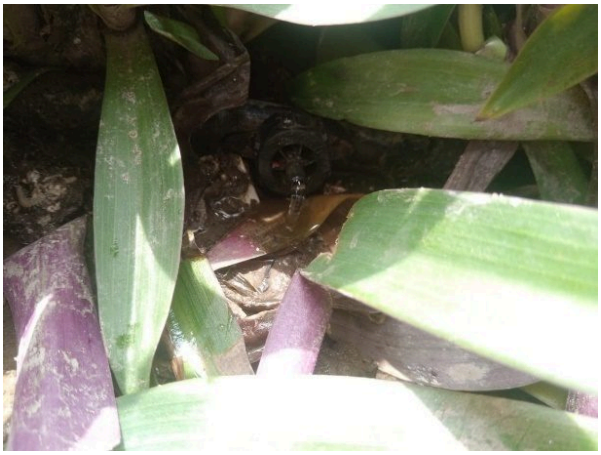
Major Equipment Deployed: Adjustable dripper, Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 51 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2023-24

Drip Irrigation System at Garden.

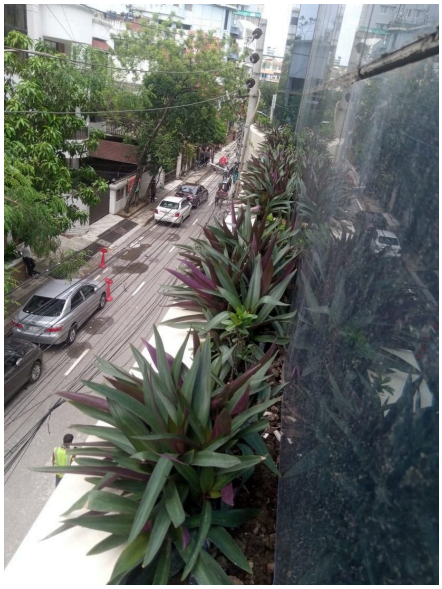
Funded By: Mimi Hospital
Implemented By: Md. Abul Kashem
Installed By: Drip Irrigation BD Ltd.
Site Location: Road-3, Sector-6, Uttara.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
79,574 BDT	9000 Squ	2023-24	11 Dec 2023 to 20 Dec 2023	flower.

Site Challenge: Source of water. Labour, Large area, Outside of Building.

Engineering Achievement: Automatic Drip Irrigation System, Water Filter Install, Electric Valve Installation.

Major Equipment Deployed: 4L PC dripper, Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 52 OF 100 · CODE: —

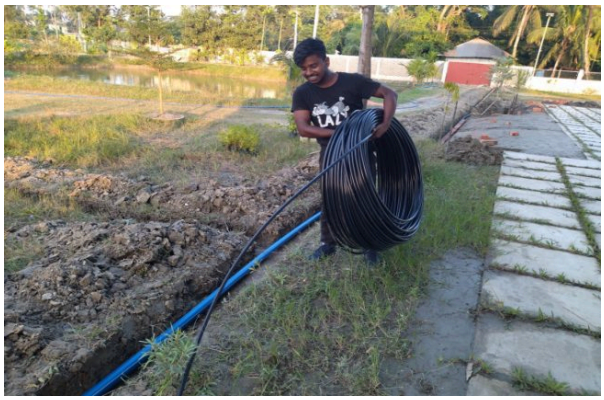
1.1.8 Agro Beautification Project · FY 2022-23

Landscape Irrigation (Drip & Sprinkler) in Bunglo House

Funded By: Mr. Shahed
Implemented By: Mr. Shahed
Installed By: Drip Irrigation BD Ltd.
Site Location: Begumganj, Noakhali



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
85000 BDT	2 acres	2022-23	24 October 2022 to 10 November 2022	Ornamental, Fruits and Vegetables in Bunglo House

Site Challenge: Irrigation maintenance, Labour, Large area, Schedule maintenance

Engineering Achievement: Drip and Sprinkler Irrigation for 2 acres areas were solved the problem

Major Equipment Deployed: Water pump, filter, HDPE coil pipe, thread pipe, adjustable dripper, drip tube, connector, mini sprinkler, pop up sprinkler, impact sprinkler | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 53 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2022-23

Drip, Sprinkler & Fogging System in Bunglo House Irrigation

Funded By: Ma Moni Agro Ltd.
Implemented By: Ma Moni Agro Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Zorarganj, Mirsharai, Chattogram



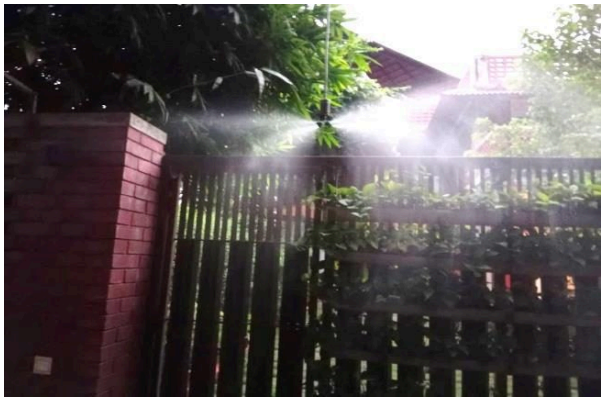
Project setup by DIBL Team members



Overall scenario of the project



Water discharge by dripper nozzle



Water spray by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
102000 BDT	1 acre	2022-23	05-08 June 2023	Fruits & Ornamental plants in Bunglo House

Site Challenge: Source of water, Labour, Large area, Irrigation scheduling

Engineering Achievement: Installation of Drip Irrigation system by centrifugal pump were solved the problem

Major Equipment Deployed: Pump, Filter, HPDE Pipe, Thread pipe, Adjustable dripper, Sprinkler, Foger, online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 54 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2023-24

Drip & Sprinkler Irrigation System in Bunglo House

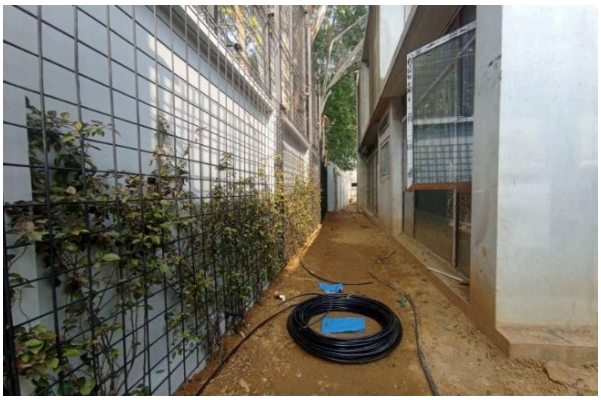
Funded By: TK Group
Installed By: Drip Irrigation BD Ltd
Implemented By: Summer Hill Residence Project
Site Location: Summer Hill Residential, Forest gate, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
180,000 BDT	2.5 bigha	2023-24	Running Project	Turf, Fruits & Ornamental plants in Bunglo House

Site Challenge: Source of water, Labour, Large area, Irrigation scheduling

Engineering Achievement: Installation of Drip & Sprinkler Irrigation system by centrifugal pump were solved the problem

Major Equipment Deployed: Pump, Filter, cPVC Pipe, Thread pipe, Adjustable dripper, Impact Sprinkler, Popup Sprinkler, online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 55 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2023-24

Sprinkler Irrigation System for Ornamental and Fruits Orchard in front of Office Premises

Funded By: Green Rooftop Nursery
Implemented By: Green Rooftop Nursery
Installed By: Drip Irrigation BD Ltd.
Site Location: BSC bhaban, Chittagong port, Chittagong



Project setup by DIBL Team members



Overall scenario of the project



Mainline pipe networking



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,000 BDT	15 decimal	2023-24	22 January to 07 February 2024	Fruits & Ornamental plants in front of Office premises

Site Challenge: Source of water, Labour, Large area, Irrigation scheduling

Engineering Achievement: Installation of Sprinkler Irrigation system by submersible pump were solved the problem

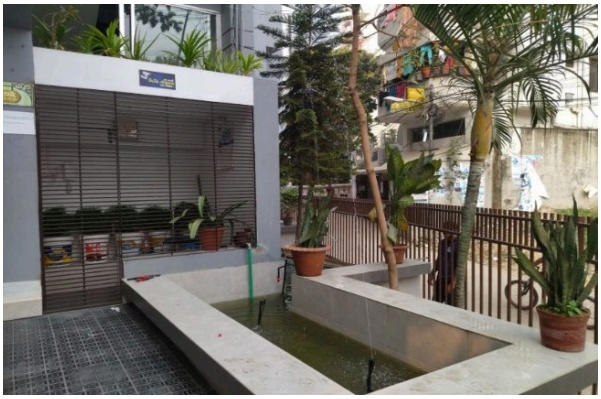
Major Equipment Deployed: Pump, Filter, HPDE Pipe, Thread pipe, Mini Sprinkler, Popup Sprinkler, online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 56 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2022-23

Fountain System in Large Aquarium

Funded By: Belayet Hossain Chowdhury
Implemented By: Belayet Hossain Chowdhury
Installed By: Drip Irrigation BD Ltd
Site Location: Mayor Goli, Nasirabad



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	GARDEN
4000 BDT	0.5 decimal	2022-23	14 February 2023	Fountain System setup inside Large Aquarim

Site Challenge: Oxygen supply, water balance maintenance

Engineering Achievement: Vortex sprayer with gravity force were solved the problem

Major Equipment Deployed: Vortex sprayer, adjustable dripper, drip tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 57 OF 100 · CODE: —

1.1.8 Agro Beautification Project · FY 2023-24

Installation of Waterfall or Fountain in front of Commander Bunglo

Funded By: Bangladesh Army
Implemented By: BMA, Bhatiary, Chattogram
Installed By: Drip Irrigation BD Ltd.
Site Location: BMA, Bhatiary, Sitakundu, Chattogram



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Water discharg nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
10,000 BDT	03 decimals	2023-24	09-12 November 2023	Waterfall or Fountain System in front of Commander Bunglo

Site Challenge: Perfect distribution of water in every outlet and scheduling

Engineering Achievement: Water discharge by pump pressure with automation were solved the problem

Major Equipment Deployed: Water pump, Timer, thread pipe, pvc fittings | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

SERVICE OVERVIEW 02 OF 06 · DIVISION 1.2

Sprinkler Irrigation Systems

Begin Projects #58-#67 (p. 78) →

Uniform Overhead Artificial Rainfall, Lawn Pop-Ups & Industrial Evaporative Shed Cooling

Designed for crops, pastures, nurseries, tea gardens, and turf landscapes requiring full-canopy wetting or microclimate cooling. DIBL configures brass impact heads, micro-rotors, and pop-up turf nozzles using hydraulic head-loss curves matched to site pump curves.



Heavy-Duty Brass Impact Sprinkler Assembly



Micro-Sprinkler Broadcast Over Broadleaf Crops



Retractable Pop-Up Lawn & Estate Landscape Spray



High-Clearance Riser Sprinkler Over Fodder Fields

Standard Engineering Parameters

Throw & Coverage	2.5 m - 24 m throw radius across 90 to 360 degree arc geometry
Nozzle Family	Brass Impact, Butterfly & Rotor Micro-Sprinklers, Retractable Pop-Ups
Operating Pressure	1.5 - 4.0 bar with swing-joint risers and drain/check valves
Thermal Duty	Overhead shed-roof sprinkler arrays lowering indoor heat by 4 - 7 deg C

Subcategories & Sectors Covered Here (10 Projects)

1.2.1 EGP Tender Project
1.2.2 Fruit Orchard Project
1.2.3 Vegetables Orchard Project
1.2.4 Livestock Grass Field Project
1.2.5 Nursery Garden Project
1.2.6 Above Shed / Residence Project

PROJECT NO. 58 OF 100 · CODE: —

1.2.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Sprinkler Irrigation System at any upazila under Rangamati Region.

Funded By: Program on Agricultural and Rural Transformation for Nutrition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: M.S SS Trading; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Dungri Headman para, Naikhongchari, Bandarban



Overall scenario of the project



Pump, Filter and pipe setup



Overall scenario of the project



Sprinkler setup

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,63,000 BDT (25%)	1 Acre	2023-24	22 Feb to 30 May 2024	Lemon & Mango

Site Challenge: Source of water, Labour, Large area, Hill slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Submersible Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 59 OF 100 · CODE: —

1.2.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Drip Irrigation System at any upazila under Rangamati Region.

Funded By: Program on Agricultural and Rural Transformation for Nurtition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: M.S Ashraf Stile and Construction; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Headman para, Sonaichari, Naikhongchari, Bandarban



Project setup by DIBL Team members



Overall scenario of the project



Sprinkler setup



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,63,000 BDT (25%)	1 Acre	2023-24	22 Feb to 30 May 2024	Lemon & Mango

Site Challenge: Source of water, Labour, Large area, Hill slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Submersible Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 60 OF 100 · CODE: —

1.2.2 Fruit Orchard Project · FY 2021-22

Sprinkler Irrigation System in Mango Orchard

Funded By: Unilever Bangladesh Limited
Implemented By: Unilever Bangladesh Limited
Installed By: Drip Irrigation BD Ltd
Site Location: Kalurghat, Cahttogram Sadar



Project setup by DIBL Team members



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
75000 BDT	33 decimal	2021-22	09 June 2022 to 27 June 2022	Mango & Ornamental Fruit Orchard

Site Challenge: On time irrigation, Beautification, Automation

Engineering Achievement: Automatic Sprinkler irrigation system setup for whole garden

Major Equipment Deployed: Centrifugal pump, Filter, Sprinkler, HDPE coil & Thread pipe | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 61 OF 100 · CODE: —

1.2.2 Fruit Orchard Project · FY 2022-23

Sprinkler Irrigation system.

Funded By: Pallave Ghosh
Implemented By: Pallave Ghosh
Installed By: Drip Irrigation BD Ltd.
Site Location: Khuniya,Khulna



Field inspection by farmer



Mainline Irrigation setup from water pump



Project site location



Water discharge by vortex

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
22,690 BDT excluding VAT & TAX	80 Decimal	2022-23	10 July 2024 to 12 July 2024	Dragon fruit

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, 45 feet sprinkler, | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 62 OF 100 · CODE: —

1.2.2 Fruit Orchard Project · FY 2022-23

Mini Sprinkler Irrigation system.

Funded By: Md. Noor Hassan
Implemented By: Md. Noor Hassan
Installed By: Drip Irrigation BD Ltd.
Site Location: Bagachara, Jeshore.



Field inspection by farmer



Mainline Irrigation setup from water pump



Overall scenario of the project



Water discharge by mini sprinkler

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
52,728 BDT excluding VAT & TAX	90 Decimal	2022-23	06 May 2024 to 06 May 2024	Dragon garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Mini sprinkler, Support stand, 4mm drip tube, 16mm drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 63 OF 100 · CODE: —

1.2.3 Vegetables Orchard Project · FY 2023-24

Sprinkler Irrigation System in Vegetable Garden

Funded By: Nilphamari gov collage
Implemented By: Mahbub Rahman
Installed By: Drip Irrigation BD Ltd.
Site Location: Nilphamari govt collage



Overall scenario of the project



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30457	20 decimals	2023-24	23/06/2024 to 24/06/2024	Lawn With Mixed Vegetable

Site Challenge: Road, Long Distance water Source

Engineering Achievement: Sprinkler Irrigation with Pump & Header Tank

Major Equipment Deployed: Jet Pump, Sprinkler LDPE TUBE, Supported Stand | **Site Supervision:** Moffazal Hossin, Sub Assistant Engineer, Bogura Branch

PROJECT NO. 64 OF 100 · CODE: —

1.2.4 Livestock Grass Field Project · FY 2023-24

Sprinkler Irrigation System.

Funded By: Kiron Sir
Implemented By: Kiron Sir
Installed By: Drip Irrigation BD Ltd.
Site Location: Pubail, Gazipur.



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
236,000 BDT.	5,000 Squ.	2023-24	08 Aug 2023 to 20 Aug 2023.	Grass, Mango Garden.

Site Challenge: Source of water, Main water line, Automation Box Setup, Electric Valve Setup.

Engineering Achievement: Installation Pipe line, Automation Box Setup, Electric Valve Setup.

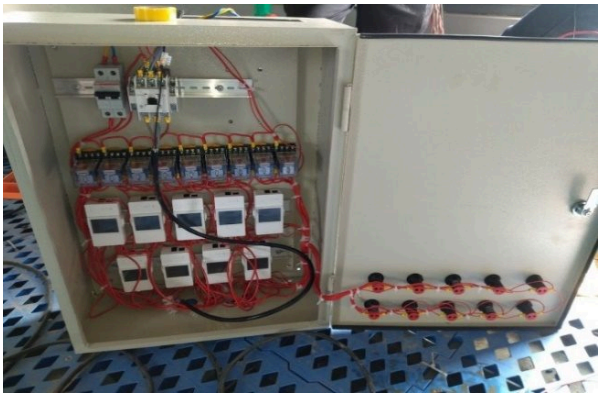
Major Equipment Deployed: Pop up Sprinkler, Adj Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 65 OF 100 · CODE: —

1.2.4 Livestock Grass Field Project · FY 2023-24

Automatic Sprinkler Irrigation System for Livestock Grass

Funded By: S Alam Group
Implemented By: Barakah Farm House, Anwara
Installed By: Drip Irrigation BD Ltd.
Site Location: Anwra, Chattogram



Project automation setup



Pump setup



Sprinkler setup



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
350,000 BDT	05 acres	2023-24	12 October to 04 December 2023	Napier Grass, Grazing land, Fruits & Vegetables

Site Challenge: Large area, Irrigation scheduling & maintenance, Labour charge

Engineering Achievement: Sprinkler Irrigation for whole areas with automation were solved the problem

Major Equipment Deployed: Water pump, Wifi Timer, Solenoid valve, HDPE coil pipe, thread pipe, pvc fittings, big/mini/popup sprinkler | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 66 OF 100 · CODE: —

1.2.5 Nursery Garden Project · FY 2023-24

Sprinkler Irrigation System in Nursery Shed

Funded By: IDF
Implemented By: IDF Matiranga Region
Installed By: Drip Irrigation BD Ltd.
Site Location: Matiranga, Khagrachari



Project setup by DIBL Team members



Overall scenario of the project



sprinkler nozzle



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
15,000 BDT	15 decimals	2023-24	07 August 2023	Fruit orchard in Nursery

Site Challenge: Irrigation maintenance, Labour charge

Engineering Achievement: Sprinkler Irrigation for whole nursery areas were solved the problem

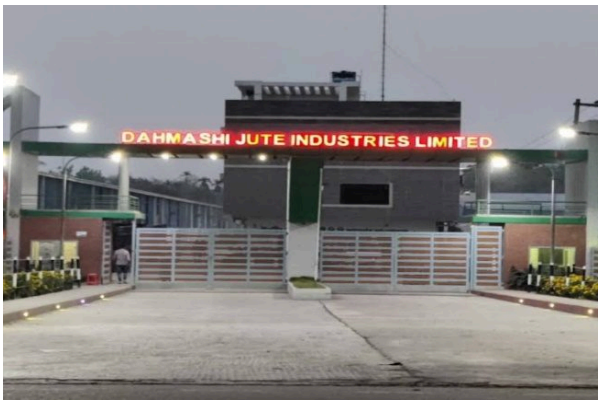
Major Equipment Deployed: Water pump, HDPE coil pipe, thread pipe, big sprinkler | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 67 OF 100 · CODE: —

1.2.6 Above Shed / Residence Project · FY 2022-23

Sprinkler Irrigation system.

Funded By: Dahmashi Jute Industries Ltd.
Implemented By: Eng. Robiul Islam
Installed By: Drip Irrigation BD Ltd.
Site Location: Komarpur, Faridpur.



Dahmashi Jute Industries Ltd.



Mainline Irrigation setup from DIBL Team member



Overall scenario of the project



Water discharge by 45feet sprinkler

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30000 BDT excluding VAT & TAX	12 Decimal	2022-23	25 May 2024 to 14 May 2024	Dahmashi Jute Industries Ltd.

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Sprinkler irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

SERVICE OVERVIEW 03 OF 06 · DIVISION 1.3

High-Pressure Fogging & Mist Cooling

Begin Projects #68-#88 (p. 89) →

Micronized Evaporative Cooling & Precision Relative Humidity Control for Livestock, Crops & Industry

By atomizing filtered water into 5 to 20 micron droplets through anti-drip brass and stainless-steel orifices, DIBL fogging lines achieve rapid flash evaporation without floor wetting, preventing heat stress in dairy/poultry barns and sustaining ideal RH inside mushroom, orchid, and tea-processing facilities.



4-Way Anti-Drip Foggers Above Seedling Propagation Beds



High-Pressure Evaporative Mist Array Inside Poultry House



Controlled-Environment Mushroom & AC Cooling Chamber



Supermarket Fresh Produce Shelf Hydration & Mist Display

Standard Engineering Parameters

Pump & Line Pressure	40 - 70 bar (600 - 1,000 PSI) forged-brass plunger pumps; nylon / SS304 tubing
Droplet & Orifice	0.15 mm - 0.30 mm anti-drip nozzles (0.04 - 0.10 LPM per head)
Cooling Potential	5 - 10 deg C dry-bulb reduction with rapid humidity equilibration
Control Modes	Cyclic short-pulse digital timers or automated Temp/RH sensor feedback

Subcategories & Sectors Covered Here (21 Projects)

- 1.3.1 NGO Funded Project
- 1.3.2 Inside Dairy / Bull / Poultry Shed
- 1.3.3 Inside Mushroom Shed
- 1.3.4 Nursery / Orchid / Cactus Shed
- 1.3.5 Inside Factory / Workshop
- 1.3.6 Hydroponic Grass Project
- 1.3.7 Fruit Orchard Project

PROJECT NO. 68 OF 100 · CODE: —

1.3.1 NGO Funded Project · FY 2023-24

Automation colling System

Funded By: BRAC
Implemented By: BRAC BULL & BREEDING STATION.
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirzapur, Bogura



Automation Setup



Overall scenario of the project



Fogging Installation



Automation Controller

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
316215	41 decimals	2023-24	27/04/2024 to 31/05/2024	Bull Shade

Site Challenge: First Automation Colling Setup in DIBL. Large area,

Engineering Achievement: Installation of Automation Colling System by gravity Force with existing power source of water uptake.

Major Equipment Deployed: Water Pump, Fogging Seat, Automation DB box. LDPE Tube, 4mm Valve | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 69 OF 100 · CODE: —

1.3.1 NGO Funded Project · FY 2023-24

Automation Cooling System in Bull Shed

Funded By: BRAC
Implemented By: Kamrul
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirzapur, Bogura



Project setup by DIBL Team members



Automation Setup



Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
355185	Mirzapur, Sherpur, Bogura	2023-24	8.06.2024 to 15/06/2024	Bull Shed

Site Challenge: Automation Setup, Long Distance, Labor, Plumber.

Engineering Achievement: Automatic Timer based Drip Irrigation with Jet pump & Header Tank

Major Equipment Deployed: DB Box, Sensor, Magnetic Connector, Digital Indicator Fogger with feeder line & online drip tube | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 70 OF 100 · CODE: —

1.3.1 NGO Funded Project · FY 2023-24

Automation Cooling System

Funded By: BRAC BULL & BUCK STATION
Implemented By: Mr. Shohag
Installed By: Drip Irrigation BD Ltd.
Site Location: Shombhugonj, Mymensingh



Shed Visting of Branch Manager Mymensingh



BRAC Mymensingh



Automation DB BOX Setup



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
170300	5 decimals	2023-24	11/07/2024 to 25/7/2024	BULL Shed

Site Challenge: Automation Setup, Long Distance, Labor, Plumber.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md.Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 71 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2021-22

Fogging Cooling in Bull Shed

Funded By: Nazrul Islam
Implemented By: Nazrul Islam
Installed By: Drip Irrigation BD Ltd.
Site Location: Uttar Kattoli, Chattogram Sadar



Project setup by DIBL Team members



Overall scenario of the project



Fogging system running



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
20000 BDT	10 decimal	2021-22	05 March 2022 to 05 March 2022	Bull Shed

Site Challenge: Temperature control inside the bull shed

Engineering Achievement: Possible to maintain 5 to 7 degree temperature inside the bull shed

Major Equipment Deployed: Pump, Filter, Programmable Timer, Misting fogger, Fogger tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 72 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2022-23

Fogging Cooling inside Bull Shed and Sprinker Spray above Bull Shed

Funded By: JIC Irrigation Technology
Implemented By: JIC Irrigation Technology
Installed By: Drip Irrigation BD Ltd.
Site Location: Hathazari, Chattogram



Project setup by DIBL Team members



Sprinkler setup above shed



Project setup by DIBL Team members



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
42000 BDT	20 decimal	2022-23	12-17 November 2022	Bull Shed

Site Challenge: Temperature control inside the bull shed

Engineering Achievement: Possible to maintain 5 to 7 degree temperature inside the bull shed with the combination of both fogging & sprinkler system

Major Equipment Deployed: Pump, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 73 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2022-23

Fogging Cooling System inside Bull Shed

Funded By: ANB Agro
Implemented By: ANB Agro
Installed By: Drip Irrigation BD Ltd.
Site Location: Pomra, Rangunia, CTG



Overall scenario of the project



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
32000 BDT	10 decimal	2022-23	09 May 2023	Bull Shed

Site Challenge: Temperature control inside the bull shed

Engineering Achievement: Possible to maintain 5 degree temperature inside the bull shed with fogging system

Major Equipment Deployed: Pump, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 74 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2022-23

Automatic Fogging Cooling System inside Bull Shed

Funded By: Nahar Agro process
Implemented By: Nahar Agro process
Installed By: Drip Irrigation BD Ltd.
Site Location: Rangunia, Chattogram



Overall scenario of the project



Automation setup



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
17000 BDT	05 decimal	2022-23	15 May 2023	Bull Shed

Site Challenge: Temperature control inside the bull shed

Engineering Achievement: Possible to maintain 5 degree temperature inside the bull shed with fogging

Major Equipment Deployed: Pump, Programmable timer, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 75 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2022-23

Fogging Cooling System inside the Bull Shed

Funded By: Bellal Hossain
Implemented By: Bellal Hossain
Installed By: Drip Irrigation BD Ltd.
Site Location: Halishahar, Chattogram



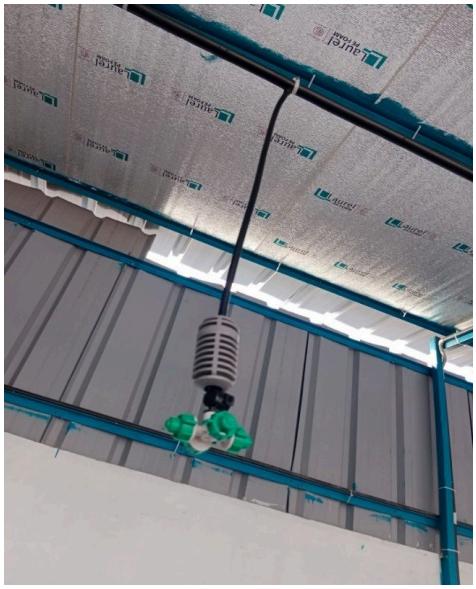
Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
14,000 BDT	05 decimal	2022-23	04 June 2023	Bull Shed

Site Challenge: Temperature control inside the bull shed

Engineering Achievement: Possible to maintain 5 degree temperature inside the bull shed with fogging

Major Equipment Deployed: Pump, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 76 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2023-24

Fogging Colling system on Cow Shed.

Funded By: Vartex Group
Implemented By: Shanto.
Installed By: Drip Irrigation BD Ltd.
Site Location: Ford nagar, Manikgong.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
55,594 BDT.	2,000 squ	2023-24	21 Apr 2024 to 22 Apr 2024.	Cow Shed.

Site Challenge: Source of water. Installation Pipe line, Water Filter Setup.

Engineering Achievement: Installation Pipe line, Water Filter Setup.

Major Equipment Deployed: Fogger. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 77 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2023-24

Fogging Colling system on Cow Shed.

Funded By: Yasin Arafat.
Implemented By: Yasin Arafat.
Installed By: Drip Irrigation BD Ltd.
Site Location: BossBari, balabo, Voirib.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
45,944 BDT.	2,000 squ	2023-24	04 May 2024 to 05 May 2024.	Cow Shed.

Site Challenge: Source of water. Installation Pipe line.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: Fogger. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 78 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2022-23

Fogging Irrigation system.

Funded By: Sonaikhali Cow Shed
Implemented By: Md. Polok
Installed By: Drip Irrigation BD Ltd.
Site Location: Sonaikhali, Jhenaidah



Mainline Irrigation setup from water pump



Fogging Irrigation system visit with authority



Fogger setup DIBL Team member



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
36605 BDT excluding VAT & TAX	30 Decimal	2022-23	06 April 2024 to 06 April 2024	Sonaikhali Cow Shed

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Misting Fogger, End lock, Screen filter, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 79 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2023-24

Fogging Spray in Dairy Shed

Funded By: Naba Dairy Farm
Implemented By: Zobaer Rahman
Installed By: Drip Irrigation BD Ltd.
Site Location: Rajshahi



Project setup by DIBL Team members



Main Line setup



Overall scenario of the project



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30140	15 Decimal	2023-24	21.05.24 to 21.05.24	Dairy Shed

Site Challenge: Site-specific hydraulic, water quality & terrain requirements addressed via custom engineering.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 80 OF 100 · CODE: —

1.3.2 Inside Dairy / Bull / Poultry Shed · FY 2023-24

Sprinkler & Fogging Irrigation System in Poultry Shed

Funded By: Suveccha poultry Farm
Implemented By: Mr. Sadman
Installed By: Drip Irrigation BD Ltd.
Site Location: Gabtali,Bogura.



Instalation Building



FoggerSetup By Poultry Farm



Water discharge by Sprinkler



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
14728	2.5 Decimal	2023-24	9/4/2024 to 18/4/2024	—

Site Challenge: High Pressure pump

Engineering Achievement: Sprinkler & Fogging Irrigation with Sub Pump.

Major Equipment Deployed: Sprinkler, Fogger LDPE Tube Threat tube | **Site Supervision:** Moffazzal Hossain, Sub Assistant Engineer, Bogura Branch.

PROJECT NO. 81 OF 100 · CODE: —

1.3.3 Inside Mushroom Shed · FY 2022-23

Fogging Spray System inside Mushroom Shed

Funded By: Md. Jahedul Islam
Implemented By: Md. Jahedul Islam
Installed By: Drip Irrigation BD Ltd
Site Location: Savar, Dhaka



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
35,000 BDT	10 decimal	2022-23	01 March 2023	Mushroom Shed

Site Challenge: Labour, Irrigation Spray Scheduling

Engineering Achievement: Installation of Fogging spry system by pump were solved the problem

Major Equipment Deployed: Centrifugal Pump, Reserve Tank, Filter, Fogger, fogger tube and connector | **Site Supervision:** Engineer Rokonuzzaman, Assistant Engineer, Dhaka Branch

PROJECT NO. 82 OF 100 · CODE: —

1.3.3 Inside Mushroom Shed · FY 2022-23

Fogging Spray System inside Mushroom Shed

Funded By: Ak Khan & Co. Ltd
Implemented By: Ak Khan & Co. Ltd
Installed By: Drip Irrigation BD Ltd
Site Location: Aambagan, Chattogram



Pump setup



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
27,000 BDT	2 decimal	2022-23	20 March 2023	Mushroom Shed

Site Challenge: Labour, Irrigation Spray Scheduling

Engineering Achievement: Installation of Fogging spry system by pump were solved the problem

Major Equipment Deployed: Centrifugal Pump, Reserve Tank, Filter, Fogger, fogger tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 83 OF 100 · CODE: —

1.3.4 Inside Nursery / Orchid / Cactus Shed · FY 2023-24

Automatic Fogging Irrigation System inside Nursery Poly Shed

Funded By: Department of Agricultural Extension
Implemented By: Agriculture Office Sitakunda
Installed By: Drip Irrigation BD Ltd
Site Location: Sitakunda, Chattogram



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
75,000 BDT	10 decimal	2023-24	30-31 December 2023	Nursery Poly Shed

Site Challenge: Temperature, Humidity & Moisture control inside the Nursery Poly Shed

Engineering Achievement: Possible to minimize 5 degree temperature inside the nursery poly shed with proper irrigation for plant

Major Equipment Deployed: Pump, Wifi Timer, Soil moisture sensor, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 84 OF 100 · CODE: —

1.3.4 Inside Nursery / Orchid / Cactus Shed · FY 2023-24

Fogging Irrigation system in Orchid Shed.

Funded By: Jushim Uddin

Implemented By: Jushim Uddin

Installed By: Drip Irrigation BD Ltd.

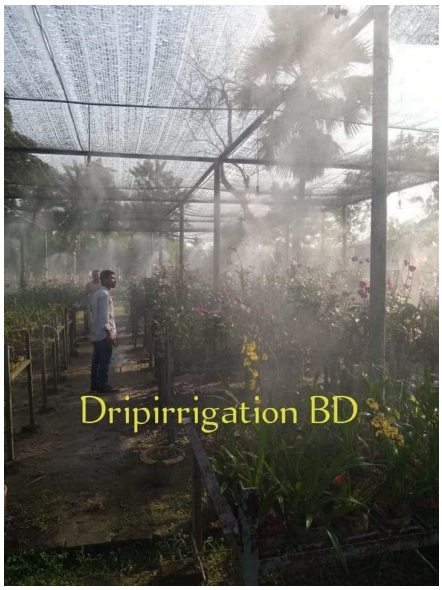
Site Location: potengar mor, masdair, chashara, Narayanganj.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
15,500 BDT.	1,200 Squ.	2023-24	07 Mar 2024.	Flower.

Site Challenge: Source of water. Labour, Installation Pipe line.

Engineering Achievement: Fogger Setup, Installation Pipe line & Water Filter.

Major Equipment Deployed: Fogger, Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 85 OF 100 · CODE: —

1.3.5 Inside Factory / Workshop · FY 2023-24

Automatic Fogging Cooling system inside Tea Factory

Funded By: City Group
Implemented By: Kodala Tea Estate
Installed By: Drip Irrigation BD Ltd
Site Location: Kodala, Rangunia, Chattogram



Overall scenario of the project



Pump setup



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
43,000 BDT	20 decimal	2023-24	09-11 July 2023	Tea Factory

Site Challenge: Temperature & Humidity control inside the Tea Factory

Engineering Achievement: Possible to maintain 5 degree temperature inside the Tea Factory with fogging system

Major Equipment Deployed: Pump, Timer Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 86 OF 100 · CODE: —

1.3.5 Inside Factory / Workshop · FY 2021-22

Fogging Cooling System in Workshop

Funded By: SDL Engineering Ltd.
Implemented By: SDL Engineering Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Matarbari, Moheshkhali, Cox's Bazar



Pump setup



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
65000 BDT	10 decimal	2021-22	14 April 2022 to 18 April 2022	Workshop in Powerplant

Site Challenge: Temperature & Dust

Engineering Achievement: Automatic Fogging spray control both of temperature & dust simultaneously

Major Equipment Deployed: Centrifugal pump, Filter, Misting fogger, Fogging tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 87 OF 100 · CODE: —

1.3.6 Hydroponic Grass Project · FY 2022-23

Fogging Irrigation System in Hydroponic Grass

Funded By: Ahmed Kamal
Implemented By: Ahmed Kamal
Installed By: Drip Irrigation BD Ltd.
Site Location: Munshiganj



Water discharge by fogger nozzle



Overall scenario of the project



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
65000 BDT	10 decimal	2022-23	14 April 2022 to 18 April 2022	Hydroponic Grass shed for bull

Site Challenge: Timely water spray for grass

Engineering Achievement: Automatic Fogging spray solve the problem

Major Equipment Deployed: Centrifugal pump, Filter, Misting fogger, Fogging tube and connector | **Site Supervision:** Engineer Imtiaj Raihan, Sub Assistant Engineer, Dhaka Branch

PROJECT NO. 88 OF 100 · CODE: —

1.3.7 Fruit Orchard Project · FY 2022-23

Fogging Irrigation system.

Funded By: KBD, Mamunur Rahman
Implemented By: KBD,Mamunur Rahman
Installed By: Drip Irrigation BD Ltd.
Site Location: Jhenaidah,Amtala.



Field inspection by farmer



Mainline Irrigation setup from water pump



Overall scenario of the project



Water discharge by Cross Fogger

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
97,000 BDT excluding VAT & TAX	60 Decimal	2022-23	23 March 2024 to 25 March 2024	Dragon garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump,cross fogger, drip tube, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

SERVICE OVERVIEW 04 OF 06 · DIVISION 2

Hydroponics & Soilless Cultivation

Begin Projects #89-#90 (p. 111) →

Closed-Loop NFT Channels, Dutch Bucket Vine Modules & Recirculating Nutrient Management

Enabling high-density crop production independent of arable soil, DIBL fabricates food-grade uPVC A-frame Nutrient Film Technique (NFT) racks, Dutch bucket substrate stations, and recirculating EC/pH dosing sumps tailored for urban rooftops, research institutes, and commercial greenhouses.



DIBL Engineering Team Commissioning A-Frame NFT Rack



Dutch Bucket Vine Crop Module with Arrow Drip Feed



Substrate Grow-Bag Arrow Dripper Fertigation Line



Recirculating Fish-Plant Media Bed Aquaponics Unit

Standard Engineering Parameters

Architecture	Food-grade UV uPVC NFT channels (75x50 mm) & Bato Dutch buckets
Nutrient Loop	Submersible circulation pumps with digital EC (1.2-2.8 mS/cm) & pH (5.5-6.5) logs
Growing Media	Expanded clay pebbles (LECA), buffered cocopeat, or inert perlite
Water Footprint	Up to 90% water conservation via closed-loop sump recirculation

Subcategories & Sectors Covered Here (2 Projects)

- 2.2 NFT Vertical Hydroponics
- Dutch Bucket Substrate Modules
- Grow-Bag Fertigation Systems
- Recirculating Aquaponics Units

PROJECT NO. 89 OF 100 · CODE: —

2.2 NFT Vertical Hydroponics · FY 2022-23

Vertical NFT Hydroponic System

Funded By: Dhaka University
Implemented By: Tanvir Hussain
Installed By: Drip Irrigation BD Ltd.
Site Location: Dhaka University



Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
40340	0.05 Decimal	2022-23	15/11/2023 to 15/11/2023	Lettuce

Site Challenge: Smal Area, Open Area, Movement Frame

Engineering Achievement: Commissioned with uniform distribution, reduced water/energy use & verified field operation.

Major Equipment Deployed: Stil Frame, PVC pipe, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 90 OF 100 · CODE: —

2.2 NFT Vertical Hydroponics · FY 2022-23

Vertical NFT Hydroponic System

Funded By: DAE Sitakundu
Implemented By: DAE Sitakundu
Installed By: Drip Irrigation BD Ltd.
Site Location: Sitakundu, Chattogram



Vertical NFT Hydroponic System



Vertical NFT Hydroponic System



Vertical NFT Hydroponic System



ABC Hydroponic Solution

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
27000	0.05 Decimal	2022-23	15/11/2023 to 15/11/2023	Lettuce, Tomato

Site Challenge: Smal Area, Open Area, Movement Frame

Engineering Achievement: Commissioned with uniform distribution, reduced water/energy use & verified field operation.

Major Equipment Deployed: Stil Frame, PVC pipe, Cup, Solution | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional manager, Chattogram Branch

SERVICE OVERVIEW 05 OF 06 · DIVISION 3

Filtration & Water Treatment Plants

Begin Projects #91-#93 (p. 114) →

Protecting Precision Emitters & Upgrading Ground/Surface Water via Multi-Stage Filtration

Bangladesh groundwater frequently carries elevated iron, calcium hardness, sand, and organic algae that rapidly clog fine drippers and fogging orifices. DIBL engineers multi-barrier hydrocyclone, screen, stacked-disc, and pressurized FRP catalytic media plants matched to raw water chemistry.



Corrosion-Proof Screen / Stacked Disc Micro-Filter Unit



Compact Inline Filter Assembly with Union & Ball Valve



Multi-Vessel FRP Pressure Media Plant (Iron & Turbidity)



Turnkey Farm Intake Filtration & Manifold Skid Installation

Standard Engineering Parameters

Primary Straining	120-mesh (130 micron) stainless screen & grooved PP stacked disc filters
Media Vessels	FRP pressure vessels (16x65 in - 36x72 in) with multi-port backwash valves
Contaminant Target	Sand/silt turbidity, dissolved Fe (up to >5 mg/L), Mn, algae & hardness
System Sizing	2 m3/h farm manifolds to 25+ m3/h institutional water treatment skids

Subcategories & Sectors Covered Here (3 Projects)

- 3.1 Irrigation Filtration Project
- 3.2 Iron Filtration Project
- Multi-Stage Sand & Media Vessels
- Screen & Stacked Disc Protection

PROJECT NO. 91 OF 100 · CODE: —

3.1 Irrigation Filtration Project · FY 2023-24

Installation of Irrigation Filtration in Chattogram Region

Funded By: Program on Agricultural and Rural Transformation for Nurtition, Entrepreneurship and Resilience (PARTNER)

Implemented By: BADC, Rangamati Region

Installed By: Drip Irrigation BD Ltd.

Site Location: Kakrachari, Bangalhalia, Rajsthali, Rangamati



Project setup by DIBL Team members



Overall scenario of the filtration project



Project setup by DIBL Team members



Filtration from reserve tank

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,20,000 BDT	1 Acre	2023-24	11 Feb 2024 to 28 March 2024	Guava, Coffee, Cashew nut, Dragon Fruit, Mango, Malta.

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Screen and Disc filter solve the challenges

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 92 OF 100 · CODE: —

3.2 Iron Filtration Project · FY 2023-24

Installation of Iron Filtration in Chattogram

Funded By: Madrasha authority in Fatikchari
Implemented By: Madrasha authority in Fatikchari
Installed By: Drip Irrigation BD Ltd.
Site Location: Fatikchari, Chattogram



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PURPOSE
60,000 BDT	1 decimal	2023-24	05 January 2024 to 06 January 2024	Drinking water

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Iron filter solve the challenges

Major Equipment Deployed: Vessel, pipe, backwash valve, pump, reserver etc | **Site Supervision:** Chowdhury Hasan bin Mizan, Assistant Engineer, Dhaka Branch

PROJECT NO. 93 OF 100 · CODE: —

3.2 Iron Filtration Project · FY 2023-24

Installation of Iron Filtration in Bhola

Funded By: Agro Entrepreneur in Charfasion
Implemented By: Agro Entrepreneur in Charfasion
Installed By: Drip Irrigation BD Ltd.
Site Location: Chairfashion, Bhola



Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PURPOSE
80,000 BDT	1 decimal	2023-24	05 April 2024 to 07 April 2024	Irrigation water

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Iron filter solve the challenges

Major Equipment Deployed: Vessel, pipe, backwash valve, pump, reserver etc | **Site Supervision:** Chowdhury Hasan bin Mizan, Assistant Engineer, Dhaka Branch

SERVICE OVERVIEW 06 OF 06 · DIVISIONS 4, 5 & 6

Smart IoT, Solar Pumping & Environment Control

Begin Projects #94-#100 (p. 118) →

Closed-Loop FarmHub Automation, Off-Grid Solar Lifting & UV-Stabilized Polyhouse Microclimates

Bridging precision hydraulics with modern agritech, DIBL deploys its proprietary FarmHub & SensPanel IoT platform alongside DC/AC solar MPPT pump arrays and structural UV poly-net houses so remote hillside, dairy, and research estates operate autonomously with minimal grid dependence.



FarmHub IOT60005 Smart Relay & Sensor Hardware



SensPanel Cloud Portal Live Device Telemetry & Actuation



Off-Grid Solar Panel Array Powering Hilltop Dragon Orchard Drip



Institutional UV Polyshed & Shade-Net House Construction

Standard Engineering Parameters

IoT & Telemetry	FarmHub IOT60005 (4x 220V AC, 4x RJ45 sensors, 12 RTC timers) + SensPanel
Solar Integration	Mono-PERC PV arrays driving DC brushless & VFD-controlled AC bore/surface pumps
Protected Enclosures	Galvanized truss polysheds, 200-micron UV film & 50-mesh insect net walls
Closed-Loop Logic	Automated Soil NPK/Moisture, Temp/RH & photoperiod actuation rules

Subcategories & Sectors Covered Here (7 Projects)

- 4.2 IoT Programmable Automation
- 4.3 IoT Sensor Based Automation
- 5.1 Off Grid Solar System
- 6.2 Polyshed Setup

PROJECT NO. 94 OF 100 · CODE: —

4.2 IoT Programmable Automation Project · FY 2023-24

Automatic Irrigation Control System

Funded By: Heart Group
Implemented By: Mimi Hospital
Installed By: Drip Irrigation BD Ltd.
Site Location: Uttara, Dhaka



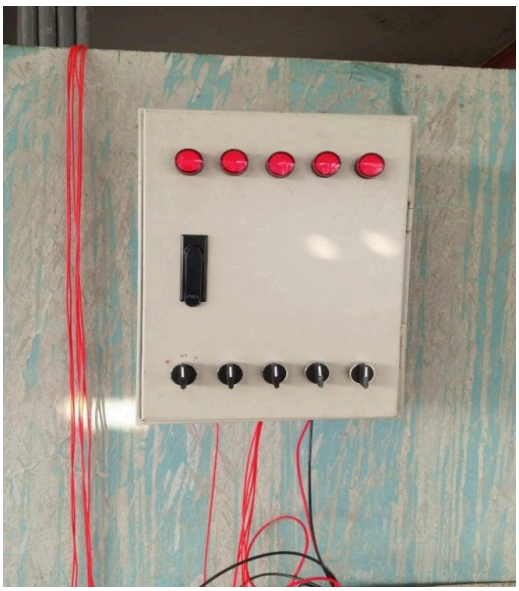
Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PROJECT
12,000 BDT	2.29 decimal	2023-24	17 February, 2024	Rooftop Vertical Garden

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

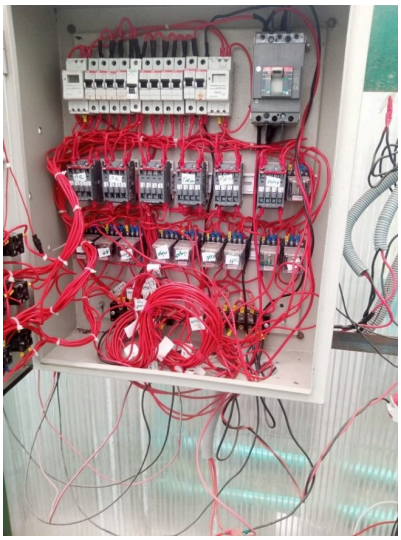
Major Equipment Deployed: Pump, Filter, DB Box, PC Dripper, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 95 OF 100 · CODE: —

4.2 IoT Programmable Automation Project · FY 2023-24

Automatic Green House Weather Controlling System and Rooftop Garden Irrigation system

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Dilkusha, Motijhil, Dhaka



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
3,00,000 BDT	20 decimals	2023-24	Running	Mango, Guava, Flower, Fig, Hydroponics on Green House

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, DB Box, Adjustable Dripper, Wifi Timer, Solenoid Valve, Hydroponic Full Setup, Temp/ Hum/ pH/ TDS/ EC Sensor, Dehumidifier | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 96 OF 100 · CODE: —

4.3 IoT Sensor Based Automation Project · FY 2023-24

Automatic Fogging Cooling System on Cowshed

Funded By: BRAC
Implemented By: BRAC Bogura
Installed By: Drip Irrigation BD Ltd.
Site Location: BRAC Bottola, Mirzapur, Bogura



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	FARM
355185 BDT	4.8 decimal	2023-24	08 to 15 June, 2024	Cow

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, Sensor, DB Box, Misting Fogger, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 97 OF 100 · CODE: —

4.3 IoT Sensor Based Automation Project · FY 2024-25

Automatic Fogging Cooling System on Cowshed

Funded By: BRAC
Implemented By: BRAC Mymensingh
Installed By: Drip Irrigation BD Ltd.
Site Location: Shombhuganj, Mymensingh



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	FARM
170300BDT	3 decimal	2024-25	11 to 25 July, 2024	Cow

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, Sensor, DB Box, Misting Fogger, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 98 OF 100 · CODE: —

5.1 Off Grid Solar System · FY 2023-24

Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.

Funded By: BADC

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: Sherpa Power Engineering Ltd.; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Rajnogor, Rupnagar, Gulshakhali, Longodu, Rangamati



Mainline Irrigation Setup from Tank



Overall Scenario of Project Area



Water Discharge from the Adjustable Dripper



Scenario of the main line position

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,00,000 BDT (3%)	1 Acre	2023-24	05-08 June 2024	Mango

Site Challenge: Source of water, Labour, Large area, Hill Slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Solar Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 99 OF 100 · CODE: —

5.1 Off Grid Solar System · FY 2022-23

Solar Powered Drip & Sprinkler Irrigation in Hilly Fruit Orchard

Funded By: Nasir Agro Zone
Implemented By: Nasir Agro Zone
Installed By: Drip Irrigation BD Ltd.
Site Location: Manikchari, Khagrachari



Overall scenario of the project



Overall scenario of the project



Water discharge by sprinkler nozzle



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
850000 BDT	25 acres	2022-23	31 October 2022 to 27 December 2022	Mango, Litchi, Guava, Dragon fruit and Rambutan Fruit Orchard in Hill

Site Challenge: Irrigation maintenance, Labour, Large area, Schedule maintenance

Engineering Achievement: Drip and Sprinkler Irrigation for 25 acres areas were solved the problem

Major Equipment Deployed: Water pump, filter, uPVC pipe, HDPE coil pipe, thread pipe, adjustable dripper, drip tube, connector, big sprinkler | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 100 OF 100 · CODE: —

6.2 Polyshed Setup · FY 2023-24

Installation of Poly shed with Shade net

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: BADC, Gabtoli, Dhaka



Outside Overall scenario of the project



Outside Overall scenario of the project



Inside Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
5,00,000 BDT	20 decimal	2023-24	11 Feb 2024 to 28 March 2024	Fruits, vegetables and seedlings

Site Challenge: Insect, Sunlight, Wind etc

Engineering Achievement: Environment control system help to mitigate the challenges

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Engineer Rokon uz Zaman, Dhaka Branch

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